COVANCE
THE DEVELOPMENT SERVICES COMPANY

Sponsor:

3M
St. Paul, Minnesota

FINAL REPORT

Study Title:

104-Week Dietary Carcinogenicity Study with Narrow Range (98.1%) N-Ethyl Perfluorooctanesulfonamido Ethanol in Rats

Author:

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Study Completion Date:

December 13, 2001

Testing Facility:

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Madison, Wisconsin 53704-2595

Laboratory Study Identification:

Covance 6329-212

Sponsor Study Identification:

3M T-6316.1

Volume I of XII

COMPLIANCE STATEMENT

104-Week Dietary Carcinogenicity Study with Narrow Range (98.1%) N-Ethyl Perfluorooctanesulfonamido Ethanol in Rats

All aspects of this study were in accordance with the Food and Drug Administration Good Laboratory Practice Regulations as set forth in Title 21 of the Unites States Code of Federal Regulations, Part 58, issued December 22, 1978 (effective June 20, 1979), and with any applicable amendments.

Peter J. Thomford, PhD
Study Director
Covance Laboratories Inc.

13 Dec. 2001
Date

QUALITY ASSURANCE STATEMENT

This report has been reviewed by the Quality Assurance Unit of Covance Laboratories Inc., in accordance with the Food and Drug Administration (FDA) Good Laboratory Practice Regulations, 21 CFR 58. The following inspections were conducted and findings reported to the study director and study director management.

Inspection Dates			Date Reported to Study Director and
From	To	Phase	Study Director Management
22 Jan 98	22 Jan 98	Protocol Review	22 Jan 98
02 Mar 98	02 Mar 98	Test Article Administration	02 Mar 98
28 Apr 98	28 Apr 98	Analytical Laboratory Inspection	28 Apr 98
11 May 98	11 May 98	Food Consumption	11 May 98
27 Oct 98	28 Oct 98	Analytical Laboratory Inspection	28 Oct 98
28 Dec 98	28 Dec 98	Body Weights	28 Dec 98
12 Mar 99	12 Mar 99	Test Article Preparation	12 Mar 99
26 Apr 99	26 Apr 99	Animal Observations	26 Apr 99
02 Jun 99	04 Jun 99	Protocol Amendment Review	04 Jun 99
22 Jun 99	02 Jul 99	Data Review	02 Jul 99
26 Jul 99	26 Jul 99	Test Article Administration	26 Jul 99
20 Jan 00	20 Jan 00	Protocol Amendment Review	20 Jan 00
25 Jan 00	25 Jan 00	Postlife	25 Jan 00
11 May 00	16 May 00	Data Review	19 May 00
10 Apr 00	26 May 00	Data Review	26 May 00
25 May 00	30 May 00	Protocol Amendment Review	30 May 00
16 May 00	22 May 00	Data Review	01 Jun 00
06 Jun 00	07 Jun 00	Data Review	07 Jun 00
13 Jun 00	14 Jul 00	Report Review	14 Jul 00
20 Apr 01	27 Apr 01	Report Review	30 Apr 01
31 Oct 01	31 Oct 01	Protocol Amendment Review	31 Oct 01
24 Oct 01	02 Nov 01	Report Review	02 Nov 01
06 Nov 01	06 Nov 01	Protocol Amendment Review	06 Nov 01
06 Nov 01	06 Nov 01	Protocol Amendment Review	06 Nov 01
06 Nov 01	06 Nov 01	Protocol Amendment Review	06 Nov 01
13 Nov 01	13 Nov 01	Protocol Amendment Review	13 Nov 01

Representative
Quality Assurance Unit

13 Dec 01
Date

STUDY IDENTIFICATION

104-Week Dietary Carcinogenicity Study with Narrow Range (98.1%) N-Ethyl Perfluorooctanesulfonamido Ethanol in Rats

Test Material:	Narrow Range (98.1%) N-Ethyl Perfluorooctanesulfonamido Ethanol
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Study Location:	Covance Laboratories Inc. 3301 Kinsman Boulevard Madison, Wisconsin 53704-2595
Study Director:	Peter J. Thomford, PhD Covance Laboratories Inc. PO Box 7545 Madison, Wisconsin 53707-7545 608.241.7207
Study Timetable:	
Study Initiation Date:	January 21, 1998
Inlife Start Date:	January 26, 1998
Inlife End Date:	January 31, 2000
Study Completion Date:	December 13, 2001

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104-Week Dietary Carcinogenicity Study with Narrow Range (98.1%) N-Ethyl Perfluorooctanesulfonamido Ethanol in Rats

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ABSTRACT

The purpose of this study was to assess the carcinogenicity of the test material, N-Ethyl Perfluorooctanesulfonamido Ethanol (N-EtFOSE), when administered in the diet to rats for at least 104 weeks.

Male and female Crl:CD®(SD)IGS BR rats were assigned to seven groups (70 animals/sex/group for Groups 1, 4, and 5; 60 animals/sex/group for Groups 2 and 3, and 40 animals/sex/group for Groups 6 and 7). Each group received diets containing the vehicle, acetone, (Group 1), or 3 (Group 2), 30 (Group 3), 100 (Groups 4 and 6), or 300 (Groups 5 and 7) ppm N-EtFOSE. Group 6 was placed on recovery after 52 weeks of treatment.

Five animals/sex/group in Groups 1 through 5 were sacrificed during Week 4 and livers were collected. Five animals/sex/group in Groups 1 and 5 were sacrificed during Week 8. Five animal/sex/group in Groups 1 through 4 were sacrificed during Week 14. During Week 52, five animals/sex/group in Group 1 and 10 animals/sex in Group 4 were necropsied. The remaining animals in Groups 1 through 4 were sacrificed at the terminal sacrifice during Week 105. The remaining animals in Group 6 were sacrificed during Week 105 after 52 weeks of recovery. Animals that died on test or were sacrificed at unscheduled intervals were also necropsied, but organ weights were not recorded.

After 7 weeks of treatment at 300 ppm, three males were found dead or sacrificed in a moribund condition. There was a 20% or greater difference in body weights for males and females given 300 ppm compared to the control values. It was decided that 300 ppm exceeded the maximum tolerated dose and Groups 5 and 7 were terminated during Week 8.

An ancillary study was conducted under Covance 6329-228. Seventy animals/sex/group were assigned to two groups, Groups 8 and 9. Animals received diets containing the vehicle, acetone, or 1 ppm N-EtFOSE, respectively. The complete report is presented in Appendix 9, Volume VIII.

Clinical observation, body weight, and food consumption data were recorded. Blood and urine samples were collected for hematology, coagulation, clinical chemistry, urinalysis, and urine chemistry tests at specified time points. Selected organs were weighed at the interim sacrifices during Weeks 8, 14, and 53. Adrenals, brain, eyes, kidneys, liver,

mesenteric lymph nodes, pancreas, spleen, testes, and ovaries from the animals necropsied at the Week 8 and 14 interim sacrifices were examined microscopically. Microscopic examinations were done on tissues from each animal in Groups 1 and 4 sacrificed at the Week 53 interim sacrifice and terminal sacrifice, and any animals that died on test or were sacrificed at unscheduled intervals. Lesions, liver, lungs, kidneys, pancreas, thyroid, testes, mammary glands (females) and urinary bladder from each animal in Groups 2, 3, and 6 sacrificed at the terminal or recovery sacrifices were examined microscopically

Additional liver samples were also collected for evaluation of palmitoyl-CoA oxidase activity and proliferation cell nuclear antigen from five animals/sex/group in Groups 1 through 5 during Week 4, five animals/sex/group in Groups 1 and 5 during Week 8, and five animals/sex/group in Groups 1 through 4 during Week 14.

Liver sections from five animals/sex/group from Groups 1 and 4 were stained with Oil Red "O" and examined microscopically. In addition, liver samples from five animals/sex/group were processed and evaluated by electron microscopy.

Thirty-six control males and 37 control females, 28 males and 37 females given 3 ppm, 28 males and 35 females given 30 ppm, 33 males and 30 females given 100 ppm (Group 4) for 104 weeks, and 30 males and 28 females given 100 ppm for 52 weeks (Group 6) died on test or were sacrificed in a moribund condition. There were no test material-related effects on mortality. The most frequent cause of death was pituitary adenomas.

Clinical observations (thin and hunched appearance, hypoactivity, red discharge from the nose and eyes, few/no/liquid feces, ataxia, squinted eyes, recumbent behavior, and rough/brown/red hair coat) were similar in nature and in the total number of affected animals in all dose groups.

There was a dose-related effect on body weights for males and females given 30 or 100 ppm. After 52 weeks of treatment, mean body weights for males given 3, 30, or 100 ppm were 102, 94, or 88% of control values, respectively. Mean body weights for females given 3, 30, or 100 ppm were 94, 89, or 74% of control values, respectively. After 104 weeks of treatment, mean body weights for males given 3, 30, or 100 ppm were 98, 96, and 87% of control values, respectively. Mean body weights for females

given 3, 30, or 100 ppm were 107, 109, and 82% of control values, respectively. The body weight changes seen at 100 ppm were considered of toxicological significance. Mean cumulative body weight change was statistically significantly lower for males given 30 or 100 ppm diets for Weeks 1 through 15 and 15 through 29. Mean body weight change was statistically significantly lower for females given 30 or 100 ppm for Weeks 1 through 15 and for Weeks 29 to 57 and for females given 100 ppm for Weeks 15 through 29. There was an increase in the rate of body weight gain for Group 6 animals after they were placed on recovery after 52 weeks of treatment.

Mean food consumption for males and females fed the 100 or 300-ppm diets as well as the males fed the 30-ppm diet was generally lower compared with that of the control group, and these values were frequently statistically significantly different from control values. Mean food consumption for males fed the 3-ppm diets and females fed the 3- or 30-ppm diets were comparable to controls with only sporadic differences in mean food consumption noted. The changes seen in food consumption at 100 ppm were considered toxicologically significant and in general correlated with the changes in body weight.

The amount of test material consumed by the animals on a mg/kg of body weight/day basis was as follows.

Group	Target Dose Levels (ppm)	Achieved Dose Levels - Range (mg/kg body weight/day)	
		Males	Females
2	3	0.259 - 0.081	0.109 - 0.307
3	30	0.860 - 2.618	1.029 - 3.070
4	100	3.065 - 8.724	4.213 - 10.166
5/7	300	15.803- 25.408	19.568 - 29.270

Dietary administration of N-EtFOSE for approximately 52 weeks was associated with mildly decreased red blood cell count, hemoglobin, and hematocrit for females given 100 ppm; mildly lower glucose and mildly higher urea nitrogen for males and females given 100 ppm (predominantly at Weeks 14 and 27); moderately higher albumin and moderately lower globulin for males given 100 ppm (predominantly at Weeks 27 and 53); and moderately to markedly lower cholesterol for males given 30 or 100 ppm and females given 100 ppm. The effect on cholesterol was reversed following the 52-week recovery. Administration of N-EtFOSE at 3 ppm for approximately 52 weeks had no effects on clinical pathology test results. Administration of N-EtFOSE for approximately 104 weeks was associated with moderately lower cholesterol for males

given 30 or 100 ppm and moderately lower triglycerides for males and females given 100 ppm.

At a dose level of 300 ppm for approximately 8 weeks, administration of N-EtFOSE was associated with many effects on clinical pathology results including lower red blood cell count, hemoglobin, hematocrit, glucose, globulin, and cholesterol and higher urea nitrogen, albumin, total bilirubin (males only), aspartate aminotransferase (males only), alanine aminotransferase, and hepatic palmitoyl-CoA oxidase (also observed at Week 4). Most of the effects were moderate to marked in magnitude.

The percentage of proliferating hepatocytes (PI) was significantly increased only in males exposed to 300 ppm of N-EtFOSE at 4 weeks on study. This increase was not observed after 8 weeks on study at which time the 300 ppm dose group was removed from the study. The NOEL for hepatocellular proliferation in males was the 100 ppm dose group. Cell proliferation was not statistically significant in females at 4, 8, or 14 weeks on study in any dose group.

At the interim sacrifices, body weights were lower and absolute and relative liver weights were higher for animals given 100 or 300 ppm of the test material.

Macroscopically, diffusely dark livers were only observed for animals given 100 ppm of the test material. Enlargement, mottling, and masses of the liver were slightly more frequent for animals given 100 ppm than for the controls.

Administration of the test material caused an increase in cystic degeneration, hepatocellular hypertrophy, hepatocellular vacuolation, necrosis and hemorrhage of the liver.

At the Week 8 sacrifice, hepatocellular hypertrophy, necrosis and hemorrhage were observed for animals given 300 ppm. Hepatocellular hypertrophy was observed only at the Week 14 sacrifice for animals given 30 or 100 ppm, and hepatocellular vacuolation and hypertrophy were present at the Week 53 sacrifice only for animals given 100 ppm. The hepatic changes were considered toxicologically important.

Test material related hepatic findings for animals given 100 ppm at the terminal sacrifice were cystic degeneration (males only) and hepatocellular hypertrophy and vacuolation.

The incidence of hepatocellular adenomas was slightly higher for males and females given 100 ppm. The higher incidence was statistically significant for females. The only hepatocellular carcinoma in the study was present for a terminal sacrifice female given 100 ppm.

Liver samples were obtained from each of 20 animals (10/sex/group from the control and mid-high dose groups) during necropsy at terminal sacrifice for examination by transmission electron microscopy (TEM). Liver samples were assessed for changes that may likely occur due to chronic toxicity of the test material. Electron microscopic evaluation identified mild to moderate changes related to treatment. Mild to moderate smooth endoplasmic reticulum hyperplasia and minimal to mild hepatocellular hypertrophy were the prominent features found to be different between the mid-high dose group and control animals. Other changes included a slight increase in the amount of lipid accumulation and minor increases in lipofuscin were found in the treated animals compared with controls.

Male and female Crl:CD®(SD)IGS BR rats were administered N-Ethyl Perfluorooctanesulfonamido Ethanol at doses of 0, 3, 30 and 100 ppm at least 104 weeks. There were no significant effects on survival. In males, combined thyroid follicular cell adenoma/carcinoma was significantly increased as compared to controls at 100 ppm ($p = 0.011$) which was due primarily to an increase in follicular cell adenoma ($p = 0.011$). Thyroid follicular cell carcinoma alone was not increased. The relationship of this finding to treatment is questionable for several reasons: thyroid follicular cell tumors in historical controls from this laboratory are relatively common (occur with an incidence of greater than 1%), however, no thyroid follicular cell tumors occurred in male controls from this study, there was no evidence on nonneoplastic lesions of the thyroid, the increase at 100 ppm was within the range of historical controls, and a clear dose-response relationship was not present.

In females, the incidence of combined hepatocellular adenoma/carcinoma was significantly increased in the 100 ppm dose group as compared to controls ($p = 0.007$) as a result of a significant increase in hepatocellular adenoma in this group ($p = 0.012$). There was no increase for trend or pairwise for hepatocellular carcinoma alone. The only hepatocellular carcinoma observed in this study was in a 100-ppm, terminal-sacrifice female. Recovery females in the 100 ppm dose group experienced a marginally significant increase in hepatocellular adenoma ($p = 0.05$). It is noteworthy that , in females, liver effects were only observed at 100 ppm and included the finding of a

hepatocellular adenoma at the Week 53 sacrifice. Significant negative trends and pairwise decreases at 100 ppm occurred among females for mammary tumors (fibroadenoma, combined fibroadenoma/adenoma, and combined fibroadenoma/adenoma/carcinoma). Trends for pituitary adenoma and combined adenoma/carcinoma were also negative in females.

PURPOSE

The purpose of this study was to assess the carcinogenicity of the test material, N-Ethyl Perfluorooctanesulfonamido Ethanol (N-EtFOSE), when administered in the diet to rats for at least 104 weeks.

REGULATORY COMPLIANCE

All aspects of this study were conducted in compliance with the Food and Drug Administration Good Laboratory Practice Regulations as set forth in Title 21 of the United States Code of Federal Regulations, Part 58, issued December 22, 1978 (effective June 20, 1979), and with any applicable amendments.

The protocol was reviewed and approved by the Institutional Animal Care and Use Committee at Covance.

TEST MATERIAL, VEHICLE, AND CARRIER

Test Material

The test material, T-6316 (narrow range N-ethyl perfluorooctanesulfonamido ethanol, N-EtFOSE), a blend of Lot Nos. 30035, 30037, and 30039, is a waxy solid and is 98.1% N-EtFOSE (w/w) (see Protocol Deviations for exceptions). It was received at Covance on June 20 and July 21, 1997.

To avoid repeated heating and sublimation, the two shipments of test material were heated, combined, and predetermined quantities of test material were aliquoted into polyethylene (LDPE) containers. The test material was stored at room temperature.

Information on synthesis methods, stability, composition, or other characteristics that define the test material was provided by the Sponsor and is on file at with the Covance.

Vehicle

The vehicle was acetone (Spectrum Chemical Mfg. Corp., New Brunswick, New Jersey and Gardena, California), Lot Nos. LW0044 (99.96% pure), LH0253 (99.8% pure), and

NS0231 (99.8% pure). The shipments were received at Covance on April 9 and June 23, 1997, and September 8, 1998, respectively. The vehicle was stored at room temperature.

Information on synthesis methods, composition, or other characteristics that define the acetone is on file with the manufacturer.

Carrier

Certified rodent diet (#5002 meal, LabDiet® by Purina Mills, Inc.) was used as supplied. The lot numbers are recorded in the data. The diet is routinely analyzed by the manufacturer for nutritional components and environmental contaminants.

Reserve (Archive) Samples

A reserve sample (5 g) of the test material was taken and stored at room temperature. This sample was transferred to the Sponsor after completion of the inlife phase.

Disposition

The remaining test material was returned to the Sponsor on August 8, 2000.

TEST ANIMALS AND HUSBANDRY

Animals

Male and female Crl:CD®(SD)IGS BR rats were obtained from the Raleigh, North Carolina, facility of Charles River Laboratories on January 6, 1998. At initiation of treatment, the animals were 45 to 51 days old; the males weighed from 202 to 310 g (see Protocol Deviations for exceptions), and the females weighed from 133 to 194 g.

Identification

Each animal was assigned a temporary number upon arrival. Before initiation of treatment, a microchip identification device was implanted into each animal. After randomization for placement on test, each animal was assigned a permanent number, and

the microchip was coded with the permanent number. All data for an animal are recorded under these numbers.

Justification

Historically, rats have been used in safety evaluation studies and are recommended by appropriate regulatory agencies.

Husbandry

Animal Room 3045 was used for this study. Environmental controls for the animal room were set to maintain 18 to 26°C, a relative humidity of 30 to 70%, a 12-hour light/12-hour dark cycle, and a minimum of 10 room air changes/hour.

The animals were housed individually (except for the first 6 days of acclimation when animals were group-housed) in stainless-steel cages. Some animals were placed in polycarbonate cages during the study when health problems dictated.

Certified rodent diet (#5002 meal, LabDiet® by Purina Mills, Inc.) was provided *ad libitum* during acclimation.

Water was provided *ad libitum* (see Protocol Deviations for exceptions). Samples of the water are analyzed for specified microorganisms and environmental contaminants. The results are on file with Covance-Madison.

There were no known contaminants in the diet or water at levels that would have interfered with this study.

Animals not selected for the study (45 males and 41 females) were used for training procedures. Two females were found dead during acclimation.

Acclimation

Four hundred fifty-five males and 453 females were received on January 6, 1998, and acclimated in Animal Room 3045 for 20 days before initiation of treatment. In general, animals in this shipment appeared healthy. During acclimation, the animals were

examined for abnormalities indicative of health problems and body weights were recorded for all animals at randomization.

PROCEDURES

This study was conducted in accordance with the Protocol dated January 21, 1998, and Protocol Amendment Nos. 1 through 8. Protocol deviations are in Appendix 1. An ancillary study, Covance 6329-228, was conducted in accordance with its protocol, April 1, 1998 and Protocol Amendment Nos. 1 through 5. The complete report is presented in Appendix 9.

Group Designations and Dose Levels

The animals used for this study were examined by a laboratory animal veterinarian on January 9, 1998, and found to be suitable for study consideration. Selection of animals for the study was based on acclimation data. Animals were assigned to treatment groups using a computerized blocking procedure designed to achieve body weight balance with respect to treatment group. At the time of randomization, the weight variation of the animals did not exceed ± 2 standard deviations of the mean body weight for each sex. Group mean body weights were analyzed using Levene's test for homogeneity of variance at the 5.0% probability level and found to be homogeneous. Animals were assigned to the study according to the following design.

Group	No. of Animals		Dietary Levels (ppm N-EtFOSE)[a]
	Male	Female	
1 (Control)[b,c,d,e]	70	70	0
2 (Low)[c]	60	60	3
3 (Mid)[c]	60	60	30
4 (Mid-High)[c,e]	70	70	100
5 (High)[c,d]	70	70	300
6 (Mid-High Recovery)[f]	40	40	100
7 (High Recovery)[d]	40	40	300

a T-6316 is 98.1% n-ethyl perfluorooctanesulfonamido ethanol N-EtFOSE); dose levels are expressed as ppm of N-EtFOSE.
b The control animals received the basal diet/acetone only.
c Five animals/sex/group in Groups 1 through 5 were sacrificed during Week 4, and five animals/sex/group in Groups 1 through 4 were sacrificed during Week 14 for hepatocellular proliferation rate measurements and biochemical analyses (palmitoyl-CoA oxidation).
d Five animals/sex/group in Groups 1 and 5 were sacrificed during Week 8; the remaining animals in Groups 5 and 7 were sacrificed and discarded during Week 8.
e Five animals/sex in Group1 and 10 animals/sex in Group 4 were designated as interim sacrifice animals and were sacrificed after at least 52 weeks of treatment.
f Animals in Group 6 were treated for at least 52 weeks, then treatment was discontinued, and the animals were observed for reversibility, persistence, or delayed occurrence of toxic effects for at least 52 weeks posttreatment. During recovery, the animals received basal diet only.

Dosing Procedures

Dose Preparation. Dietary concentrations were based on the test material as supplied. Diets were prepared at least once every 4 weeks.

Preparation of Diet for Group 1. The appropriate amount of certified diet was weighed and mixed with an appropriate volume of acetone.

Preparation of Stock. A stock preparation was made using the required amount of test material dissolved in the required volume of acetone.

Diets for Groups 4/6 and 5/7 (Base Diet). For the 300-ppm base diet, a premix consisting of a portion of the certified diet with the required amount of the stock preparation was mixed using a Hobart® mixer. For the 100-ppm diet, a premix consisting of a portion of the certified diet, the required amount of the stock preparation,

and additional acetone was mixed using a Hobart® mixer. These premixes were transferred to a mixer with additional certified diet and mixed thoroughly.

Diet for Group 2. For the 3-ppm diet, a premix consisting of a portion of the certified diet, the required amount of the prepared 300-ppm diet, and the required volume of acetone, was mixed and then transferred to a mixer with additional certified diet and mixed thoroughly.

Diet for Group 3. For the 30-ppm diet, the required amount of the prepared 300-ppm diet and the required volume of acetone were mixed thoroughly with the appropriate amount of certified feed.

Samples for dose analyses were taken directly from the mixing bowl.

The diets were stored at room temperature (see Protocol Deviations for exceptions) in covered containers until dispensed into feeding jars.

Method of Administration. Dietary admixture was used because the potential route of exposure in humans is oral.

The dose preparations were administered *ad libitum* (see Protocol Deviations for exceptions). Animals in Groups 1 through 4 received the test diet for at least 104 weeks (up to Day 732, Week 105, as applicable). Animals in Group 6 received the test diet for 52 weeks. After 7 weeks of treatment at 300 ppm, three males were found dead or were sacrificed in a moribund condition. There was a 20% or greater difference in body weights for males and females given 300 ppm compared to control values. It was decided that 300 ppm exceeded the maximum-tolerated dose and Groups 5 and 7 were terminated during Week 8.

Retention Samples. Samples (approximately 100 g) were taken from each dose preparation and stored at room temperature (see Protocol Deviations for exceptions). Unless used for analyses, retention samples from the treated groups were discarded at least 1 month after completion of the inlife phase (see Protocol Deviations for exceptions). Samples from the control diets prepared for Weeks 1 through 24 were shipped to the Sponsor.

Dose Analysis

Analyses for the concentration of test material in the dose preparations were done by Covance using an analytical method, MP-M312-MA, validated by Covance.

Homogeneity was determined for all concentrations once pretest and for preparations for Weeks 1 through 3; for two additional pretest high-dose level preparations; and for four additional pretest low-dose level preparations. One sample (approximately 100 g) taken from the top, middle, and bottom of the mix were collected, divided into three subsamples for extraction and analysis (see Protocol Deviations for exceptions), and analyzed for test material content. All samples were stored at room temperature.

To evaluate the stability of the test material in the carrier, four sets of samples (approximately 100 g each) were taken from the low- and high-dose level concentrations of diet preparations mixed pretest. One set was analyzed on the day of mixing; one set was analyzed after storage at room temperature for 19 days; one set was analyzed after storage at room temperature for 34 days; and the remaining set was analyzed after being stored for 8 weeks in a freezer set to maintain -10 to -30°C. In addition, samples (approximately 100 g each) were taken from the low- and high-dose level concentrations of diet preparations mixed pretest. The samples were stored at room temperature for 5 days, then for 7 days under animal room conditions (room temperature in a feeding container), then analyzed.

For dose confirmation, samples (approximately 100 g each) from all dose preparations were analyzed in duplicate. Homogeneity samples collected from the middle of the dose preparations for Weeks 1 through 3 were used for dose confirmation results. All samples were stored at room temperature until analyzed.

Observation of Animals

Clinical Observations. The animals were observed twice daily (a.m. and p.m.) for mortality and moribundity (see Protocol Deviations for exceptions). Once prior to treatment and weekly thereafter, each animal was removed from its cage and examined; abnormal findings or an indication of normal were recorded (see Protocol Deviations for exceptions). In addition, the time of onset, location, size, appearance, and progression of each grossly visible or palpable mass were recorded.

Body Weights. Individual body weight data were recorded on Day -4 (randomization), weekly for Weeks 1 through 17, once every 4 weeks thereafter, and at Week 105 (see Protocol Deviations for exceptions). Body weights were also recorded for animals in Groups 5 and 7 before sacrifice during Week 8.

Food Consumption. Individual food consumption data were recorded weekly for Weeks 1 through 16 and once every 4 weeks thereafter (see Protocol Deviations for exceptions).

Clinical Pathology

Blood and urine samples were collected from five animals/sex/group from Groups 1 and 5 during Week 8 and from 10 animals/sex/group from Groups 1 through 4 during Weeks 14, 27, and 53. Blood films were made and held for possible future examination from animals sacrificed at unscheduled intervals and from animals at scheduled sacrifices after at least 52 and 104 weeks of treatment (see Protocol Deviations for exceptions). In addition, blood was collected for cholesterol and triglycerides tests only from all remaining animals at the terminal and recovery sacrifices.

Animals were fasted overnight, and urine was collected chilled for approximately 16 hours before blood sampling; water was provided *ad libitum*. Blood was collected from a jugular vein. The anticoagulant was potassium EDTA for the hematology tests. Samples for clinical chemistry and serum samples were collected without anticoagulant. Animals were bled in random order. The following were evaluated.

Hematology

- red blood cell (erythrocyte) count
- hemoglobin
- hematocrit
- mean corpuscular volume
- mean corpuscular hemoglobin
- mean corpuscular hemoglobin concentration
- platelet count
- white blood cell (leukocyte) count
- differential blood cell count
  - segmented neutrophil count
  - lymphocyte count
  - monocyte count
  - eosinophil count
  - basophil count
- blood cell morphology

Reticulocyte smears were made and held for possible future examination.

Clinical Chemistry

glucose	alanine aminotransferase
urea nitrogen	gamma glutamyltransferase
creatinine	aspartate aminotransferase
total protein	calcium
albumin	inorganic phosphorus
globulin	sodium
cholesterol	potassium
total bilirubin	chloride

Urinalysis

appearance	glucose
volume	ketones
specific gravity	bilirubin
pH	blood
protein	microscopic examination of sediment
urobilogen	

Urine Chemistry

sodium	16-hour excretion of:
potassium	sodium
	potassium

Serum samples not used for clinical chemistry were stored in a freezer set to maintain -60 to -80°C. Samples were shipped on dry ice to the Sponsor for possible future analysis.

Serum Analyses

Blood [approximately 2 mL at the Week 4, 8, and 14 sacrifices and approximately 3 mL at the Week 53 and 105 sacrifices (see Protocol Deviations for exceptions)] was collected. Samples were collected from five animals/sex/group in Groups 1 through 5 during Week 4 (animals selected for hepatocellular proliferation and biochemical analyses); five animals/sex/group in Groups 1 and 5 during Week 8; five animals/sex/group in Groups 1 through 4 during Week 14 (animals selected for hepatocellular proliferation and biochemical analyses); five animals/sex/group from Groups 1 and 4 (from animals selected for interim sacrifice) after at least 52 weeks of treatment; and all remaining animals at terminal and recovery sacrifices.

Animals were fasted overnight and blood was collected without anticoagulant from a jugular vein. Blood samples were allowed to clot at room temperature, then centrifuged. Serum samples were harvested and stored in a freezer set to maintain -60 to -80°C. Samples were shipped on dry ice to the Sponsor for possible future analyses.

Anatomic Pathology

Necropsy. A necropsy was done on each animal that died or was sacrificed at an unscheduled interval. Animals sacrificed before Week 13 were anesthetized with sodium pentobarbital and animals sacrificed during or after Week 13 were anesthetized with carbon dioxide (see Protocol Deviations for exceptions).

During Week 4, five animals/sex/group from Groups 1 through 5 were fasted overnight, anesthetized with sodium pentobarbital, weighed, and exsanguinated. The liver was removed and weighed. Representative samples of left lateral, right median, and right lateral lobes and any macroscopic lesions of the liver were collected and preserved in zinc formalin for proliferation cell nuclear antigen (PCNA). Liver samples were also collected for palmitoyl CoA analysis. A sample (approximately 1.5 g) from the remaining portion of the liver was collected from selected animals. Samples were placed on wet ice and transferred to the Sponsor for mitochondrial analysis. Results will not be included in this report. Additional liver samples were stored in a freezer, set to maintain -60 to -80°C, and sent to the Sponsor for possible future analysis.

During Week 8, five animals/sex/group from Groups 1 and 5 were fasted overnight, bled for clinical pathology and serum analyses, anesthetized with sodium pentobarbital, weighed, exsanguinated, and necropsied. Liver samples were collected for palmitoyl CoA analysis and PCNA evaluation. Additional liver samples were stored in a freezer, set to maintain -60 to -80°C, and shipped to the Sponsor for possible future analysis. The remaining animals in Groups 5 and 7 were euthanatized with carbon dioxide and the carcasses discarded without necropsy.

During Week 14, five animals/sex/group from Groups 1 through 4 were fasted overnight, bled for clinical pathology and serum analyses, anesthetized with carbon dioxide, weighed, exsanguinated, and necropsied. Liver samples were collected for palmitoyl CoA analysis and PCNA evaluation. Additional liver samples were stored in a freezer, set to maintain -60 to -80°C, and shipped to the Sponsor for possible future analysis.

After at least 52 weeks of treatment, 5 animals/sex from Group 1 and 10 animals/sex from Group 4 were fasted overnight, anesthetized with carbon dioxide, weighed, exsanguinated, and necropsied. Additional liver samples were stored in a freezer, set to maintain -60 to -80°C, and shipped to the Sponsor for possible future analysis.

After 104 weeks of treatment, the remaining animals in Groups 1 through 4 were fasted overnight, then anesthetized with carbon dioxide, weighed, exsanguinated, and necropsied. Additional liver samples were stored in a freezer, set to maintain -60 to -80°C, and shipped to the Sponsor for possible future analysis.

After 52 weeks of treatment and 52 weeks without treatment, the remaining animals in Group 6 were fasted overnight, then anesthetized with carbon dioxide, weighed, exsanguinated, and necropsied. Additional liver samples were stored in a freezer, set to maintain -60 to -80°C, and shipped to the Sponsor for possible future analysis.

The necropsy included a macroscopic examination of the external features of the carcass; external body orifices; the abdominal, thoracic, and cranial cavities; organs; and tissues.

Proliferation Cell Nuclear Antigen Evaluation

Liver samples were collected from five animals/sex/group in Groups 1 through 5 during Weeks 4 and 8 and five animals/sex/group in Groups 1 through 4 during Week 14.

At the Week 4 collection, representative samples of left lateral, right median, and right lateral lobes of the liver and macroscopic lesions of the liver were collected and preserved in zinc formalin. At the Week 8 and 14 collections, representative samples of the left lateral lobe and any macroscopic lesions of the liver were collected and preserved in zinc formalin. After fixation, each sample of the liver was embedded in paraffin, and the paraffin blocks were shipped to Pathology Associates International. Proliferation cell nuclear antigen (PCNA) evaluation were done on the samples (left lateral lobe only). In addition, sections of the left lateral lobe of the liver were stained with hematoxylin and eosin and examined microscopically.

Palmitoyl-CoA Oxidase Tissue Collection and Analyses

Liver samples were collected from five animals/sex/group in Groups 1 through 5 during Week 4; five animals/sex/group in Groups 1 through 5 during Week 8; and five animals/sex/group in Groups 1 through 4 during Week 14.

A sample (approximately 500 mg) of the right lateral lobe of the liver was also collected from each animal and flash-frozen in liquid nitrogen (see Protocol Deviations for exceptions). The liver tissue was stored in a freezer, set to maintain -60 to -80°C, until analyzed for palmitoyl CoA oxidase activity.

Organ Weights. At the interim sacrifices during Weeks 8, 14, and 53, the following organs (when present) were weighed; paired organs were weighed separately (see Protocol Deviations for exceptions).

adrenal (2)
brain
kidney (2)
liver
lung
ovary (2)
spleen
testis (2)
thyroid (2) with parathyroid
uterus with cervix

Organ-to-body weight percentages and organ-to-brain weight ratios were calculated.

Tissue Preservation. The following tissues were collected and preserved in 10% neutral-buffered formalin (see Protocol Deviations for exceptions).

adrenal (2)
brain
cecum
cervix
colon
duodenum
epididymis (2)
esophagus
eye (2)
femur with bone marrow (articular surface of the distal end)
Harderian gland
heart
ileum
jejunum
kidney (2)
lesions
liver
lung with mainstem bronchi
lymph node (mesenteric)
mammary gland (females only)
ovary (2)
pancreas
pituitary
prostate
rectum
salivary gland [mandibular (2)]
sciatic nerve

seminal vesicle (2)
skeletal muscle (thigh)
skin
spinal cord (cervical, thoracic, and lumbar)
spleen
sternum with bone marrow
stomach
testis (2)
thymus
thyroid (2) with parathyroid
trachea
urinary bladder
uterus
vagina

Bone marrow smears from the femur of each animal at scheduled sacrifices were prepared, stained with Wright's stain, and retained for possible examination.

In addition, at the terminal and recovery sacrifices, a section of the heart and liver were collected from 10 animals/sex in Groups 1, 3, 4 (terminal sacrifice), and 6 (recovery sacrifice) and preserved in 2.0% paraformaldehyde/2.5% glutaraldehyde in 0.1M phosphate buffer. The tissues were processed and embedded in epoxy blocks for possible future examination by electron microscopy.

Histopathology. Tissues (as appropriate) were embedded in paraffin, sectioned, stained with hematoxylin and eosin, and examined microscopically from each animal in Groups 1 and 4 sacrificed at the terminal sacrifice and any animals that died on test or were sacrificed at unscheduled intervals.

Tissues (as appropriate) from each animal in Groups 1 and 4 sacrificed at the Week 53 interim sacrifice were embedded in paraffin, sectioned, stained with hematoxylin and eosin, and examined microscopically.

Lesions, liver, lungs, kidneys, pancreas, thyroid, testes, mammary glands (females), and urinary bladder from each animal in Groups 2, 3, and 6 sacrificed at the terminal or recovery sacrifices were embedded in paraffin, sectioned, stained with hematoxylin and eosin, and examined microscopically.

Adrenals, brain, eyes, kidneys, liver, mesenteric lymph nodes, pancreas, spleen, testes, and ovaries from the animals necropsied at the Week 8 and 14 interim sacrifices were also embedded in paraffin, sectioned, stained with hematoxylin and eosin, and examined microscopically.

A pathology peer review was conducted by a pathologist designated by the sponsor.

Liver sections from five animals/sex/group from Groups 1 and 4 were stained with Oil Red "O" stain and examined microscopically.

Liver sections in epoxy blocks for five animals/sex/group from Groups 1 and 4 were processed and evaluated by electron microscopy by Pathology Associates International (report included in Appendix 8).

Statistical Evaluation

Levene's test (Levene, 1960) was done to test for variance homogeneity. In the case of heterogeneity of variance at $p \leq 0.05$, transformations were used to stabilize the variance.

One-way analysis of variance [ANOVA (Winer, 1971)] was used to analyze initial body weights, body weight changes, food consumption, continuous clinical pathology values, and organ weight data.

ANOVA was done on the homogeneous or transformed data. If the ANOVA was significant, Dunnett's t-test (Dunnett, 1964) was used for pairwise comparisons between treated and control groups.

Group comparisons were evaluated at the 5.0%, two-tailed probability level. Only data collected on or after the first day of treatment were analyzed statistically.

Survival and Tumor Analysis

Survival. Evaluations of trend and heterogeneity of survival data were performed using the Cox-Tarone binary regression method and the National Cancer Institute (NCI) Life Table Package (Thomas, Breslow, and Gart, 1977). Week 105 was treated as the end of the study in the NCI package for both sexes. Animals that died accidentally and those that were sacrificed at scheduled intervals were censored in the analysis. Continuity corrected one-sided tail probabilities for trend and two-sided tail probabilities for group comparisons were evaluated at the 5.0% significance level.

Nonneoplastic Lesions. Nonneoplastic lesions were chosen for statistical analyses if the incidence rate in at least one treated group was increased or decreased by at least two occurrences over the control group. These were analyzed by the Cochran-Armitage test for trend and the Fisher-Irwin exact test for control versus treatment comparisons

(Thakur, Berry, and Mielke, 1985). One-sided tail probabilities for trend and group comparisons were evaluated at the 5.0% significance level.

Neoplastic Lesions. Neoplastic lesions were chosen for statistical analyses if the incidence rate in at least one treated group was increased or decreased by at least two occurrences over the control group. The incidental tumors (i.e., tumors that were not assigned to be the cause of death of the animals by the study pathologist) were analyzed by logistic regression of tumor prevalence (Dinse and Lagakos, 1983). The logistic regression model included linear and quadratic terms in age (week of death), but the quadratic term was eliminated if there was a lack of convergence. The fatal and palpable (superficial) tumors were analyzed by Cox-Tarone binary regression method, as in the case of survival, using the death time or the first palpation time (as applicable) as the tumor onset time. In the case of any particular tumor type where the study pathologist assigned the tumor in question as being the cause of death of a subset of the animals and the rest of the animals were assumed to be dead of other competing risks, IARC-type (Peto, et al., 1980) cause of death analysis was performed. Specifically, the subset of the tumors, which were assigned to be the cause of death by the examining pathologist, was analyzed by Cox-Tarone logistic regression under life table techniques. The subset, which was considered incidental by the pathologist, was analyzed by logistic regression of tumor prevalences. For the cases of tumor types where cause of death was undetermined, these were treated as incidental for statistical evaluation. The score statistics and their respective variances from the above tests were then used to compute the combined evidence as described by Gart, et al., (1986). In the case of only one tumor belonging to one of the two categories (fatal and incidental) in a test, it was combined with the other category for the purpose of statistical analyses. In addition, in cases where there was lack of convergence for the asymptotic test of the logistic regression method, the exact probability of the test was obtained by using LogXact-Turbo (1993) and combined with the probability of the Cox-Tarone test, if necessary.

Common and rare tumors were evaluated at the 1.0% and 5.0% significance levels, respectively, for trend. The benign and malignant neoplastic incidences were evaluated separately, but were combined where appropriate. The criteria for combination were based on the work of McConnell et al. (1986). The incidences of multiple-organ findings such as hemangioma, hemangiosarcoma, lipoma, liposarcoma, fibroma, fibrosarcoma, leiomyoma, leiomyosarcoma, endometrial stromal polyp, and endometrial stromal sarcoma were counted by animal, not by tissue type. They were evaluated statistically if they met the selection criterion for the analysis. The statistical results for these cases may

be biased because not all the animals were examined for every tissue. Pairwise one-sided group comparisons were evaluated at the 5.0% significance level.

Groups 5 (High-dose) and 7 (High recovery) were excluded from all the analyses except the survival graphs due to early sacrifices at Week 8. In the nonneoplastic analyses, animals sacrificed early (Week 4) in Groups 1 through 4 (Control, Low, Mid, and Mid-High, respectively) were excluded from the denominators. In the statistical evaluations of the neoplastic lesions, animals sacrificed early (during or before Week 14) in Groups 1 through 4 were discounted from the number of animals at risk. Further, in the neoplastic analyses, in the cases where the low, mid, and mid-high recovery groups did not have a complete histopathology examination, they were excluded from statistical analyses.

The p-values under Group 1 (Control) are for trend analysis and the p-values under Groups 2 (Low), 3 (Mid), 4 (Mid-High), and 6 (Mid-High recovery) are for the comparison of that group versus the control group. Group 6 was also compared with Group 4. Trend analysis includes Groups 1, 2, 3, and 4 only.

Ordinal dose levels 0, 1, 2, and 3 were used in all analyses for Groups 1, 2, 3, and 4, respectively. Continuity correction was done for all asymptotic tests. The following notations are used throughout this report to designate direction and significance of effects.

+	=	Effect in the increased direction
-	=	Effect in the decreased direction
*	=	Significant at $p \leq 0.05$
**	=	Significant at $p \leq 0.01$
E	=	Exact permutation test
NA	=	Not analyzed

Record Retention

The raw data, documentation, records, specimens, protocol, and final report generated as a result of this study will be archived in the storage facilities of Covance-Madison. At least 1 year after submission of the final report, the Covance Archives staff will contact the Sponsor. At that time, the Sponsor may choose to have the aforementioned materials returned, archived for an additional period of time, or disposed of by Covance; a fee will

be charged based on the archive disposition option selected by the Sponsor. Raw data stored on magnetic media and the protocol, study correspondence, and the original final report will be retained by Covance. At least 1 year after submission of the final report, any frozen samples will be returned to the Sponsor, retained by Covance, or disposed of, and a fee will be charged. Data generated by the Sponsor will be archived in the Sponsor's storage facilities. Specimens, data, and reports for PCNA evaluation and electron microscopy will be retained by Pathology Associates International. Frozen liver samples and serum samples sent to the Sponsor will be retained by the Sponsor.

RESULTS AND DISCUSSION

Dose Analysis

Results of the homogeneity, stability, and dose preparation analyses are in Tables 1 through 3.

Prestudy (September 11, 29, October 15, and November 7 and 13, 1997), several homogeneity analyses were conducted on each of several mixes in an attempt to resolve issues related to the inherent variability and lack of sufficient sensitivity at low levels in the analytical method for measuring N-EtFOSE. Mean values of the homogeneity analyses for the mix done on January 15, 1998, ranged from 89.7-104%, 92.0-98.7%, 86.8-98.4%, and 94.0-96.7% of the theoretical concentrations for the diets containing 3, 30, 100, or 300 ppm N-EtFOSE, respectively. Mean values of an additional homogeneity analyses for the mix done on August 26, 1999, ranged from 66.2 to 72.7% and 121 to 136% of the theoretical concentrations for the diets containing 100 or 300 ppm, respectively.

Prestudy (September 11 and 29, 1997), several stability analyses were conducted on each of several mixes in an attempt to resolve the issues related to the inherent variability and lack of sufficient sensitivity at low levels in the analytical method for measuring N EtFOSE. Results of the stability analyses for the mix conducted on October 15, 1997, of samples stored for 19 days at room temperature conditions indicated that the mean concentrations were 99.3 and 86.7% of the theoretical concentrations of 3 and 300 ppm, respectively. Results of the stability analyses for the mix conducted on October 15, 1997, of samples stored for 34 days at room temperature conditions indicated that the mean concentrations were 100 and 88.7% of the theoretical concentrations of 3 and 300 ppm, respectively. Results of stability analyses for the mix conducted on October 15, 1997, of

samples stored for 8 weeks under frozen conditions indicated that the mean concentrations were 99.0 and 94.3% of the theoretical concentrations of 3 and 300 ppm, respectively. Results of the stability analyses for an additional mix conducted November 13, 1997, of samples stored 5 days at room temperature followed by 7 days under animal room conditions indicated that the mean concentrations were 118 and 87.7% of the theoretical concentrations of 3 and 300 ppm, respectively.

The mean concentrations of the dose preparation analyses for all levels ranged from 33.3 to 158% of the theoretical concentrations (including the reassay and retention sample analyses, but excluding data that required reanalysis.). Inherent variability and lack of sufficient sensitivity at low levels in the analytical method for measuring N-EtFOSE resulted in homogeneity, stability, and routine analyses data that were in many cases outside of the standard limits of $\pm$15%.

Observation of Animals

Survival and Clinical Observations. Clinical observations including mass observations are summarized in Tables 5 and 6; individual data are in Appendix 2. Survival data are illustrated in Figures 1 and 2 and summarized in Table 4; individual animal fate data are in Appendix 2.

Thirty-six control males and 37 control females, 28 males and 37 females given 3 ppm, 28 males and 35 females given 30 ppm, 33 males and 30 females given 100 ppm for 104 weeks (Group 4) and 30 males and 28 females given 100 ppm for 52 weeks (Group 6) died on test or were sacrificed in a moribund condition. There were no test material-related effects on mortality. The most frequent cause of death was pituitary adenoma.

Clinical observations were similar in nature and in the total number of affected animals in all groups.

Body Weights. Body weight and body weight change data are illustrated in Figures 3 and 4 and summarized in Tables 7 and 8; individual body weight data are in Appendix 3.

There was a dose-related decrease on body weights for males and females given 30 or 100 ppm. Mean cumulative body weight change was statistically significantly lower for males given 30 or 100 ppm diets for Weeks 1 through 15 and 15 through 29. Mean body

weight change was statistically significantly lower for females given 30 or 100 ppm for Weeks 1 through 15 and for Weeks 29 to 57 and for females given 100 ppm for Weeks 15 through 29. There was an increase in the rate of body weight gain for Group 6 animals after they were placed on recovery after 52 weeks of treatment.

Food Consumption. Food consumption data are illustrated in Figures 5 and 6 and summarized in Table 9; individual data are in Appendix 4.

Mean food consumption for males and females fed the 100- or 300-ppm diets as well as the males fed the 30-ppm diet was generally lower compared with that of the control group, and these values were frequently statistically significantly different from control values. Mean food consumption for males fed the 3-ppm diets and females fed the 3- or 30-ppm diets were comparable to controls with only sporadic differences in mean food consumption noted.

Test Material Consumption. Test material consumption data are summarized in Table 10. Individual test material consumption data are presented in Appendix 4.

Animals were fed diets containing 3, 30, 100, or 300 ppm N-EtFOSE The amount of test material consumed by the animals on a mg/kg of body weight/day basis was as follows.

Group	Target Dose Levels (ppm)	Achieved Dose Levels - Range (mg/kg body weight/day)	
		Males	Females
2	3	0.259 - 0.081	0.109 - 0.307
3	30	0.860 - 2.618	1.029 - 3.070
4	100	3.065 - 8.724	4.213 - 10.166
5/7	300	15.803- 25.408	19.568 - 29.270

Clinical Pathology

Hematology, coagulation, clinical chemistry, urinalysis, and urine chemistry data are summarized in Tables 11 through 28; individual data are in Appendix 5. The Pathology Report contains a discussion of the data.

Dietary administration of N-EtFOSE for approximately 52 weeks was associated with mildly decreased red blood cell count, hemoglobin, and hematocrit for females given 100 ppm; mildly lower glucose and mildly higher urea nitrogen for males and females

given 100 ppm (predominantly at Weeks 14 and 27); moderately higher albumin and moderately lower globulin for males given 100 ppm (predominantly at Weeks 27 and 53); and moderately to markedly lower cholesterol for males given 30 or 100 ppm and females given 100 ppm. The effect on cholesterol was reversed following the 52-week recovery. Administration of N-EtFOSE at 3 ppm for approximately 52 weeks had no effects on clinical pathology test results. Administration of N-EtFOSE for approximately 104 weeks was associated with moderately lower cholesterol for males given 30 or 100 ppm and moderately lower triglycerides for males and females given 100 ppm.

At a dose level of 300 ppm for approximately 8 weeks, administration of N-EtFOSE was associated with many effects on clinical pathology results including lower red blood cell count, hemoglobin, hematocrit, glucose, globulin, and cholesterol and higher urea nitrogen, albumin, total bilirubin (males only), aspartate aminotransferase (males only), alanine aminotransferase, and hepatic palmitoyl-CoA oxidase (also observed at Week 4). Most of the effects were moderate to marked in magnitude.

Anatomic Pathology

Organ weight data are summarized in Tables 29 through 32; incidences of macroscopic and microscopic observations are summarized in Tables 33 through 45; the incidence of severity of selected microscopic observations is summarized in Tables 46 through 51. Individual data are in Appendix 6. The Pathology Report contains a discussion of the data.

At the interim sacrifices, body weights were lower and absolute and relative liver weights were higher for animals given 100 or 300 ppm of the test material.

Macroscopically, diffusely dark livers were only observed for animals given 100 ppm of the test material. Enlargement, mottling, and masses of the liver were slightly more frequent for animals given 100 ppm than for the controls.

Administration of the test material caused an increase in cystic degeneration, hepatocellular hypertrophy, hepatocellular vacuolation, necrosis and hemorrhage of the liver.

At the Week 8 sacrifice, hepatocellular hypertrophy, necrosis and hemorrhage were observed for animals given 300 ppm. Hepatocellular hypertrophy was observed only at the Week 14 sacrifice for animals given 30 or 100 ppm, and hepatocellular vacuolation and hypertrophy were present at the Week 53 sacrifice only for animals given 100 ppm. The hepatic changes were considered toxicologically important.

In males, combined thyroid follicular cell adenoma/carcinoma was significantly increased as compared to controls at 100 ppm ($p = 0.011$) which was due primarily to an increase in follicular cell adenoma ($p = 0.011$). Thyroid follicular cell carcinoma alone was not increased. The relationship of this finding to treatment is questionable for several reasons: thyroid follicular cell tumors in historical controls from this laboratory are relatively common (occur with an incidence of greater than 1%), however, no thyroid follicular cell tumors occurred in male controls from this study, there was no evidence on nonneoplastic lesions of the thyroid, the increase at 100 ppm was within the range of historical controls, and a clear dose-response relationship was not present.

In females, the incidence of combined hepatocellular adenoma/carcinoma was significantly increased in the 100 ppm dose group as compared to controls ($p = 0.007$) as a result of a significant increase in hepatocellular adenoma in this group ($p = 0.012$). There was no increase for trend or pairwise for hepatocellular carcinoma alone. The only hepatocellular carcinoma observed in this study was in a 100-ppm, terminal-sacrifice female. Recovery females in the 100 ppm dose group experienced a marginally significant increase in hepatocellular adenoma ($p = 0.05$). It is noteworthy that , in females, liver effects were only observed at 100 ppm and included the finding of a hepatocellular adenoma at the Week 53 sacrifice. Significant negative trends and pairwise decreases at 100 ppm occurred among females for mammary tumors (fibroadenoma, combined fibroadenoma/adenoma, and combined fibroadenoma/adenoma/carcinoma). Trends for pituitary adenoma and combined adenoma/carcinoma were also negative in females.

Proliferation Cell Nuclear Antigen Results

A statistically significant increase in proliferative index was observed transiently in males of the 300 ppm dose group at Week 4, but not at Week 8 or in any other male dose groups. Biological significance for an individual animal is defined as a two-fold or greater increase in proliferative index (PI) over the averaged control values, and the PI must be greater than the highest control value. Biologically significant increases in PI

were observed in one out of five males of the 100 ppm dose group at Week 4, however, these increases were not sustained through Week 8. Biologically significant increases in PI were observed in two out of five males at Week 4 and in two out of five males in the 300 ppm dose group at Week 8. No increase in hepatocellular proliferation was observed at Week 14 in the male 100 ppm dose group. The NOEL for hepatocellular proliferation in males was the 100 ppm dose group. Cell proliferation was not statistically or biologically significant in females at 4, 8, or 14 weeks on study in any dose group. The NOEL for hepatocellular proliferation in females was the 300 ppm dose group.

Electron Microscopy Results

Liver samples were obtained from each of 20 animals (10 animals/sex/group from the control and mid-high dose groups) during necropsy at terminal sacrifice for examination by transmission electron microscopy (TEM). Liver samples were assessed for changes that may likely occur due to chronic toxicity of the test material. Electron microscopic evaluation identified mild to moderate changes related to treatment. Mild to moderate smooth endoplasmic reticulum hyperplasia and minimal to mild hepatocellular hypertrophy were the prominent features found to be different between the mid-high dose group and control animals. Other changes included a slight increase in the amount of lipid accumulation and minor increases in lipofuscin were found in the treated animals compared with controls.

CONCLUSION

Male and female Crl:CD®(SD)IGS BR rats were administered N-Ethyl Perfluorooctanesulfonamido Ethanol at doses of 0, 3, 30 and 100 ppm at least 104 weeks. There were no significant effects on survival, and the incidence of hepatocellular adenomas was slightly higher for males and females given 100 ppm. The only hepatocellular carcinoma in the study was present for a terminal sacrifice female given 100 ppm.

SIGNATURES

Cindy L. Powers, BS
Study Coordinator
Covance Laboratories Inc.

13 December 2001
Date

Peter J. Thornford, PhD
Study Director
Covance Laboratories Inc.

13 Dec. 2001
Date

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PATHOLOGY REPORT

SUMMARY

The purpose of this study was to assess the carcinogenicity of the test material, N-Ethyl Perfluorooctanesulfonamido Ethanol (N-EtFOSE), when administered in the diet to rats for at least 104 weeks. The test material was administered at dose levels of 0, 3, 30, 100, and 300 ppm. Animals given 300 ppm were sacrificed during Week 8.

Dietary administration of N-EtFOSE for approximately 52 weeks was associated with mildly decreased red blood cell count, hemoglobin, and hematocrit for females given 100 ppm; mildly lower glucose and mildly higher urea nitrogen for males and females given 100 ppm (predominantly at Weeks 14 and 27); moderately higher albumin and moderately lower globulin for males given 100 ppm (predominantly at Weeks 27 and 53); and moderately to markedly lower cholesterol for males given 30 or 100 ppm and females given 100 ppm. The effect on cholesterol was reversed following the 52-week recovery. Administration of N-EtFOSE at 3 ppm for approximately 52 weeks had no effects on clinical pathology test results. Administration of N-EtFOSE for approximately 104 weeks was associated with moderately lower cholesterol for males given 30 or 100 ppm and moderately lower triglycerides for males and females given 100 ppm.

At a dose level of 300 ppm for approximately 8 weeks, administration of N-EtFOSE was associated with many effects on clinical pathology results including lower red blood cell count, hemoglobin, hematocrit, glucose, globulin, and cholesterol and higher urea nitrogen, albumin, total bilirubin (males only), aspartate aminotransferase (males only), alanine aminotransferase, and hepatic palmitoyl-CoA oxidase (also observed at Week 4). Most of the effects were moderate to marked in magnitude.

At the interim sacrifices, body weights were lower and absolute and relative liver weights were higher for animals given 100 or 300 ppm of the test material.

Macroscopically, diffusely dark livers were only observed for animals given 100 ppm of the test material. Enlargement, mottling, and masses of the liver were slightly more frequent for animals given 100 ppm than for the controls.

Administration of the test material caused an increase in cystic degeneration, hepatocellular hypertrophy, hepatocellular vacuolation, necrosis and hemorrhage of the liver.

At the Week 8 sacrifice, hepatocellular hypertrophy, necrosis and hemorrhage were observed for animals given 300 ppm. Hepatocellular hypertrophy was observed only at the Week 14 sacrifice for animals given 30 or 100 ppm, and hepatocellular vacuolation and hypertrophy were present at the Week 53 sacrifice only for animals given 100 ppm. The hepatic changes were considered toxicologically important.

Test material related hepatic findings for animals given 100 ppm at the terminal sacrifice were cystic degeneration (males only) and hepatocellular hypertrophy and vacuolation.

The incidence of hepatocellular adenomas was slightly higher for males and females given 100 ppm. The higher incidence was statistically significant for females. The only hepatocellular carcinoma in the study was present for a terminal sacrifice female given 100 ppm. The incidence of hepatocellular adenomas and carcinomas is listed in Text Table 2.

METHODS

Seven groups of Crl:CD®(SD)IGS BR rats were studied using the following study design.

Group	No. of Animals		Dietary Levels [a] (ppm N-EtFOSE)
	Male	Female	
1 (Control) [b]	70	70	0
2 (Low)	60	60	3
3 (Mid)	60	60	30
4 (Mid-High)	70	70	100
5 (High)[c]	70	70	300
6 (Mid-High Recovery)	40	40	100
7 (High Recovery)[c]	40	40	300
8	70	70	0
9	70	70	1

a T-6316 is 98.1% n-ethyl perfluorooctanesulfonamido ethanol (N-etFOSE); dose levels are expressed as ppm of N-EtFOSE.
b The control animals received the basal diet only.
c Five animals/sex in Group 5 were sacrificed during Week 8; the remaining animals in Groups 5 and 7 were sacrificed and discarded during Week 8.

During Week 8, blood and urine were collected for hematology, clinical chemistry, urinalysis, and urine chemistry tests from five animals/sex/group in Groups 1 and 5. During Weeks 14, 27, and 53, blood and urine were collected for these tests from 10 animals/sex/group in Groups 1 through 4. Blood smears were made for all animals sacrificed at unscheduled intervals or during Weeks 53 (interim sacrifice) and 105 (terminal and recovery sacrifices). During Week 105, blood was collected for cholesterol and triglycerides from all surviving animals.

Necropsies were performed on five animals/sex in Groups 1 and 5 sacrificed during Week 8; five animals/sex in Groups 1 through 4 sacrificed during Week 14, five animals/sex in Group 1 and 10 animals/sex in Group 4 sacrificed during Week 53, and all remaining surviving animals during Week 105. At necropsy, macroscopic observations were recorded, organ weights were obtained (for sacrifices during Weeks 8, 14, and 53), and tissues were placed in fixative as specified by the protocol. At unscheduled necropsies for animals that died or were sacrificed because of poor health, macroscopic observations were recorded, and tissues were placed in fixative, but organ weights were not obtained. Microscopic examinations were done on selected tissues from animals in Groups 1 through 5 necropsied during Weeks 8 and 14. The tissues were adrenals, brain, eyes, kidneys, liver, mesenteric lymph node, pancreas, spleen, testes, and ovaries. Microscopic examinations were done on all collected tissues from animals in Groups 1and 4 necropsied at the Week 53 interim sacrifice and the Week 105 terminal sacrifice and from animals that died or were sacrificed due to poor health. In addition,

microscopic examinations were done on macroscopic lesions, liver, lungs, kidney, pancreas, thyroid, testes, and mammary glands (females) from animals in Groups 2, 3, and 6 sacrificed during Week 105.

Five animals/sex in Groups 1 through 5 were sacrificed during Week 4, and five animals/sex in Groups 1 through 4 were sacrificed during Week 14 for hepatocellular proliferation rate measurements and hepatic palmitoyl-CoA oxidase activity.

Statistically significant differences cited in the Results and Discussion section are based on comparisons between the control and treated groups.

RESULTS AND DISCUSSION

Mortality

The incidence of mortality during the study was similar for treated and control animals. Thirty-six males and 37 females in the control group, 28 males and 37 females given 3 ppm, 28 males and 35 females given 30 ppm, and 33 males and 31 females given 100 ppm died on test or were sacrificed in moribund condition.

Clinical Pathology

Week 4. Males and females given 300 ppm had mildly, but statistically, higher hepatic palmitoyl-CoA oxidase activity consistent with peroxisomal proliferation.

Week 8. There were many statistically significant or otherwise notable differences for clinical pathology results between animals given the control material and animals given 300 ppm. Those differences considered to be effects of the test material were lower red blood cell count, hemoglobin, hematocrit, glucose, globulin, and cholesterol and higher urea nitrogen, albumin, total bilirubin (males only), aspartate aminotransferase (males only), alanine aminotransferase, and hepatic palmitoyl-CoA oxidase. With the exception of higher alanine aminotransferase for the females, these differences were statistically significant. The effects on the erythrocyte parameters, glucose, and globulin were consistent with poor health and failure to gain weight appropriately. Higher urea nitrogen and albumin were most consistent with mild dehydration and indicated the effects on other parameters (e.g., the erythrocyte parameters) would likely have been greater if the animals were normovolemic. The effects on alanine aminotransferase, aspartate

aminotransferase, and total bilirubin were indicative of the hepatocellular degeneration and necrosis observed microscopically.

Other statistically significant differences were considered to be of uncertain relationship to administration of the test material. Mildly lower platelet count was observed for males but not females. Absolute eosinophil count was statistically lower for both males and females, but the differences were extremely small as normal eosinophil count is very low.

Weeks 14, 27, and 53. There were several statistically significant or otherwise notable differences for clinical pathology results between control and treated animals. Those differences considered to be effects of the test material were not always statistically significant but were generally consistent over time and exhibited a relationship to dose. Several statistically significant differences that were inconsistent over time or did not affect the high-dose group were considered incidental.

Administration of the test material was associated with decreased red blood cell count, hemoglobin, and hematocrit for females given 100 ppm; lower glucose and higher urea nitrogen for males and females given 100 ppm (predominantly at Weeks 14 and 27); higher albumin and lower globulin for males given 100 ppm (predominantly at Weeks 27 and 53); and lower cholesterol for males given 30 or 100 ppm and females given 100 ppm. These effects were consistent with those observed at Week 8 for animals given 300 ppm but were less prominent.

The effect of greatest magnitude was that for cholesterol. At the highest dose level, cholesterol was markedly decreased for the males. The erythrocyte effects and the effects on glucose and urea nitrogen were very mild, and the serum protein effects were considered of moderate severity.

Administration of the test material at 3 ppm for approximately 52 weeks had no effect on clinical pathology test results.

Week 105. Cholesterol remained moderately lower for males given 30 or 100 ppm (Groups 3 and 4), and triglycerides were moderately lower for females given 100 ppm (Group 4). These effects were absent or reversed for animals in the recovery group (Group 6).

Anatomic Pathology - All Animals - Test Material-Related Findings

Macroscopic Findings. Diffusely dark livers were observed only for animals given the test material. Enlargement, mottling, and masses of the liver were slightly more frequent for animals given 100 ppm than for the controls. An increased incidence of light foci of the liver for treated animals was not considered test material-related as most of these were due to tension lipidosis, an incidental finding frequently observed in rats. The incidence of possible test material-related macroscopic findings are listed in Text Table 1.

Text Table 1
Incidence of Possible Test Material-Related Macroscopic Findings

	N-Ethyl Perfluorooctanesulfonamido (ppm)									
	0	3	30	100	100[a]	0	3	30	100	100[a]
	Males					Females				
Animals Examined		70	60	70	40	70	60	60	70	40
Liver										
Light Focus (I)/Area(s)	0	4	2	5	4	0	3	2	6	6
Large	1	4	1	4	1	1	1	0	3	0
Mottled	5	3	9	6	1	3	2	1	8	4
Diffusely Dark	0	0	0	5	1	0	0	0	7	1
Masses	2	2	1	3	0	0	1	0	3	1

a Animals placed on recovery.

Microscopic Findings. Test material-related findings were limited to the liver. Administration of the test material caused an increase in cystic degeneration, hepatocellular hypertrophy, hepatocellular vacuolation, necrosis, and hemorrhage.

At the Week 8 sacrifice, hepatocellular hypertrophy, necrosis, and hemorrhage were observed for animals given 300 ppm. Hepatocellular hypertrophy was observed only at the Week 14 sacrifice for animals given 30 or 100 ppm, and hepatocellular vacuolation and hypertrophy were present at the Week 53 sacrifice only for animals given 100 ppm.

For the unscheduled sacrifice animals, cystic degeneration, and hepatocellular hypertrophy were increased for males and hepatocellular vacuolation was increased for treated males and females. Hepatocellular adenomas were minimally higher for treated animals compared with the controls.

Test material-related hepatic findings for animals given 100 ppm at the terminal sacrifice were cystic degeneration (males only), hepatocellular hypertrophy, and vacuolation. Livers from five males, five females in the control group, and five males and five females given 100 ppm were stained with Oil Red O for lipid. The amount of lipid present was slightly higher for males given 100 ppm than for the control males. The incidence and amount of lipid present for control males was one minimal and three slight and for males given 100 ppm it was one minimal, two moderate, and one moderately severe. There was no difference in the amount of lipid present for the females. The incidence of hepatocellular adenomas was slightly higher for males and females given 100 ppm. There was only one hepatocellular carcinoma in the study, and it was present for a terminal sacrifice female given 100 ppm.

The microscopic findings for the Group 6 sacrifice animals given 100 ppm were similar to the controls. However, 2 of the 12 females had hepatocellular adenomas.

The incidence of test material-related microscopic findings for all animals are listed in Text Table 2.

Text Table 2
Incidence of Test Material-Related Microscopic Findings

	N-Ethyl Perfluorooctanesulfonamido (ppm)									
	0	3	30	100	100[a]	0	3	30	100	100[a]
	Males					Females				
Animals Examined	65	55	55	65	40	65	55	55	65	40
Liver										
Cystic Degeneration	6	8	14	18	7	0	2	0	2	1
Hepatocellular Hypertrophy	0	1	3	22	2	1	0	0	14	0
Hepatocellular Vacuolation	17	18	23	39	11	13	14	8	26	8
Hepatocellular Adenoma	2	4	2	5	0	0	1	3	6	3
Hepatocellular Carcinoma	0	0	0	0	0	0	0	0	1	0

a Animals placed on recovery.

Anatomic Pathology - All Animals - Nontest Material-Related Findings

Macroscopic Findings. The most frequently observed findings at necropsy other than those observed associated with test material-related effects were ventral compression of the brain, pituitary masses, ocular discharge, perineal staining, and malocclusion. Other frequent incidental macroscopic findings for males were red foci in the liver, fluid contents in the gastrointestinal tract, obesity, nodular prostate, and nasal discharge.

Frequently observed nontest material-related findings for females were mammary masses, thickened mammary glands, thin animals, ovarian cyst, uterine cyst, stained hair coat, and dark foci in the stomach.

Microscopic Findings/Neoplastic Findings. The most frequently observed nontest material-related neoplasms were pituitary adenomas, and c-cell adenomas and follicular cell adenomas of the thyroid. Mammary adenomas, fibroadenomas, and carcinomas were frequently present for females. Other tumors were only present in a few animals, and the only rare tumor in the study was a nephroblastoma of the kidney for one male given 3 ppm. Frequently observed nontest material-related neoplasms are listed in Text Table 3.

Text Table 3
Incidence of Frequently Observed Neoplasms

	N-Ethyl Perfluorooctanesulfonamido (ppm)							
	0	3	30	100	0	3	30	100
	Males				Females			
	65	55	55	65	65	55	55	65
Pituitary Adenoma	46	28	36	48	48	46	48	45
Thyroid C-cell Adenoma	10	10	10	12	8	13	8	11
Thyroid Follicular Cell Adenoma	0	3	1	6	1	0	2	4
Mammary Adenoma	0	0	0	1	6	4	6	3
Mammary Fibroadenoma	3	1	0	0	23	21	16	13
Mammary Carcinoma	0	0	0	0	9	9	15	11

Microscopic Findings - Nonneoplastic Findings. The most frequently observed incidental nonneoplastic findings were ventral compression of the brain, pituitary hemorrhage, chronic progressive nephropathy, proteinaceous casts of the kidneys, ultimobranchial cysts of the thyroid, pelvic mineralization of the kidneys, alveolar macrophages in the lungs, ventricular dilatation of the brain, and hemorrhage of the adrenal cortex. Frequent nontest material-related microscopic findings for males were chronic active inflammation of the prostate, chronic inflammation of the liver, vacuolation of the adrenal cortex, degeneration and fibrosis of the heart, vascular mineralization of the lungs, acinar atrophy of the pancreas, and erosion, fibrosis, and acute inflammation of foot pads. Other frequently observed incidental microscopic findings for females were mammary galactoceles, angiectasis of the adrenal cortex, ovarian cysts, uterine dilatation, thymic cysts, and bile duct hyperplasia of the liver.

Week 4 Sacrifice

Organ Weights. Terminal body weights were lower for males given 300 ppm. Absolute and relative liver weights were higher for males and females given 100 or 300 ppm. There were no other test material-related changes for absolute organ weights, organ-to-body weight percentages, or organ-to-brain weight ratios.

Macroscopic Findings. There were no gross findings noted at necropsy.

Week 8 Sacrifice

Organ Weights. Terminal body weights were lower and absolute and relative liver weights were significantly higher for males and females given 300 ppm. There were no other test material-related changes for absolute organ weights, organ-to-body weight percentages, or organ-to-brain weight ratios.

Macroscopic Findings. The only test material-related findings at necropsy were large livers for five males and two females given 300 ppm and mottling of the liver for one female given 300 ppm. There were no other test material-related gross findings noted at necropsy.

Microscopic Findings. Test material-related findings were limited to the liver. The test material-related hepatic findings were hepatocellular hypertrophy, hepatocellular necrosis, and hemorrhage. The incidence and severity of the hepatic lesions are listed in Text Table 4.

Text Table 4
Incidence and Severity of Test Material-Related Microscopic Findings

	N-Ethyl Perfluorooctanesulfonamido (ppm)			
Dose Level	0	300	0	300
	Males		Females	
Number examined	5	5	5	5
Liver				
Hypertrophy				
Moderate	0	5	0	4
Moderately-severe	0	0	0	1
Necrosis				
Minimal	0	1	0	0
Moderate	0	2	0	1
Hemorrhage				
Minimal	0	3	0	0
Moderate	0	0	0	1

Week 14 Sacrifice

Organ Weights. Terminal body weights were lower and absolute and relative liver weights were significantly higher for males and females given 100 ppm. There were no other test material-related changes for absolute organ weights, organ-to-body weight percentages, or organ-to-brain weight ratios.

Macroscopic Findings. There were no test material-related gross findings noted at necropsy.

Microscopic Findings. The only test material-related finding was hepatocellular hypertrophy for males given 30 or 100 ppm and females given 100 ppm. The incidence and severity of the hepatocellular hypertrophy are listed in Text Table 5.

Text Table 5
Incidence and Severity of Hepatocellular Hypertrophy

	N-Ethyl Perfluorooctanesulfonamido (ppm)							
	0	3	30	100	0	3	30	100
	Males				Females			
Number examined	5	5	5	5	5	5	5	5
Liver								
Hypertrophy								
Minimal	0	1	1	0	0	0	0	0
Slight	0	0	1	4	0	0	0	2
Moderate	0	0	1	1	0	0	0	0

Week 53 Sacrifice

Organ Weights. Terminal body weights were lower and absolute and relative liver weights were significantly higher for males and females given 100 ppm. There were no other test material-related changes for absolute organ weights, organ-to-body weight percentages, or organ-to-brain weight ratios.

Macroscopic Findings. There were no test material-related gross findings noted at necropsy.

Microscopic Findings. Hepatocellular hypertrophy and vacuolation of the liver were observed only for animals given 100 ppm. The incidence and severity of hepatocellular hypertrophy and vacuolation are listed in Text Table 6. Other test material-related hepatic findings were hepatocellular necrosis for one male and two females given 100 ppm and bile stasis for one male and two females given 100 ppm. One female given 100 ppm had a hepatocellular adenoma. Hepatocellular adenomas are occasionally observed as an incidental finding in 1-year-old rats.

Text Table 6
Incidence and Severity of Hepatocellular Hypertrophy

	N-Ethyl Perfluorooctanesulfonamido (ppm)			
	0	100	0	100
	Males		Females	
Number Examined	5	10	5	10
Liver				
Vacuolation				
Minimal	0	3	0	2
Slight	0	3	0	0
Moderate	0	3	0	0
Hypertrophy				
Minimal	0	0	0	0
Slight	0	3	0	3
Moderate	0	2	0	4
Moderately Severe	0	5	0	0

Unscheduled Deaths

There was no test material-related effect for mortality. The only causes of death observed in three or more animals were chronic progressive nephropathy, hepatocellular adenoma, histiocytic sarcoma, mammary carcinoma, mammary fibroadenoma for females, malignant lymphoma and pituitary adenomas for both sexes. By far the most frequent cause of death was pituitary adenomas. The cause of death was undetermined for 22 males and 5 females. The incidence of the most frequently observed causes of death are listed in Text Table 7.

Text Table 7
Incidence of Test Material-Related Cause of Death
Unscheduled Sacrifice

	N-Ethyl Perfluorooctanesulfonamido (ppm)							
	0	3	30	100	0	3	30	100
	Males				Females			
Animals Examined	36	28	28	33	37	37	35	30
Chronic progressive nephropathy	2	1	0	2	0	0	0	0
Hepatocellular adenoma	0	2	1	1	0	0	1	0
Mammary Carcinoma	0	0	0	0	0	3	5	3
Mammary Fibroadenoma	0	0	0	0	5	4	0	1
Histiocytic sarcoma	0	1	1	1	0	0	0	0
Malignant lymphoma	1	1	0	1	1	0	0	0
Pituitary adenoma	22	15	18	21	27	27	22	17
Undetermined	7	4	5	6	0	0	0	5

Macroscopic Findings. Diffusely dark livers were observed for four males and three females given 100 ppm. Mottled livers were more frequently observed for females given 100 ppm than for controls. The incidence of mottled livers for females was one control, two females given 3 ppm, and five females given 100 ppm. There were no other test material-related macroscopic findings.

Microscopic Findings. For the unscheduled sacrifice animals, cystic degeneration and hepatocellular hypertrophy were increased for males and hepatocellular vacuolation was increased for males and females. Hepatocellular adenomas were minimally higher for treated animals compared with the controls. Thirty males and 28 females given 100 ppm that were unscheduled deaths were also examined microscopically. The incidence of test material-related microscopic findings for the unscheduled death animals is listed in Text Table 8.

Text Table 8
Incidence of Test Material-Related Microscopic Findings
Unscheduled Deaths

	N-ethyl Perfluorooctanesulfonamido (ppm)									
	0	3	30	100	100	0	3	30	100	100[a]
	Males					Females				
Animals Examined	36	28	28	33	30	37	37	35	30	28
Liver										
Degeneration, Cystic	3	3	2	6	6	0	0	0	0	0
Hypertrophy, Hepatocellular	0	0	0	2	2	0	0	0	0	0
Vacuolation, Hepatocellular	13	8	11	16	10	9	8	6	12	6
B-Adenoma, Hepatocellular	1	2	1	2	0	0	0	2	2	1

a Animals placed on recovery.

Terminal Sacrifice

Macroscopic Findings. Enlargement, mottling, and masses of the liver were more frequent for animals given 100 ppm than for the controls. There were no enlarged or diffusely dark livers for the controls at the terminal sacrifice. One male given 3 ppm and three males and one female given 100 ppm had enlarged livers. Diffusely dark livers were present for one male and four females given 100 ppm. The incidence of mottled livers was one control female, two males given 3 ppm, four males and one female given 30 ppm, and five males and three females given 100 ppm. Hepatic masses were noted at necropsy for one control male, one male and one female given 3 ppm, and three males and three females given 100 ppm.

Microscopic Findings. Test material-related hepatic findings at the terminal sacrifice for animals given 100 ppm were cystic degeneration, hepatocellular hypertrophy, and vacuolation. There was only one hepatocellular carcinoma in the study and it was present for a terminal sacrifice female given 100 ppm. The incidence of test material-related microscopic findings at the terminal sacrifice is listed in Text Table 9.

Text Table 9
Incidence of Test Material-Related Microscopic Findings
Terminal Sacrifice

	N-Ethyl Perfluorooctanesulfonamido (ppm)							
	0	3	30	100	0	3	30	100
	Males				Females			
Animals Examined	14	22	22	17	13	13	15	19
Liver								
Degeneration, Cystic	3	5	12	12	0	2	0	1
Hypertrophy, Hepatocellular	0	0	0	5	0	0	0	5
Vacuolation, Hepatocellular	4	8	9	13	4	6	2	12
B-Adenoma, Hepatocellular	1	3	3	4	0	3	2	4
M-Carcinoma, Hepatocellular	0	0	0	0	0	0	0	1

Recovery Sacrifice

Macroscopic Findings. There were no test material-related macroscopic findings at the recovery sacrifice.

Microscopic Findings. The microscopic findings for the recovery sacrifice animals given 100 ppm were similar to the controls. However, 2 of the 12 females had hepatocellular adenomas.

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Diplomate, ACVP
(Clinical Pathology)

14 November 2001
Date

James L. Carter, DVM, PhD
Diplomate, ACVP

13 November 2001
Date

CPS

Colorado Pathology Services, Inc.

Project Number P-1921

104-Week Dietary Carcinogenicity Study with
Narrow Range (98.1%) N-Ethyl Perfluorooctane-
Sulfonamido Ethanol in Rats
Covance Study Numbers: 6329-212 & 6329-228

PATHOLOGY PEER REVIEW

Submitted To:

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12/13/00

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Date

Colorado Pathology Services, Inc. **Project Number: P-1921**

Introduction

A peer review of the histopathology portion of the study entitled: 104-Week Dietary Carcinogenicity Study with Narrow Range (98.1%) N-Ethyl Perfluorooctanesulfonamido Ethanol in Rats" was conducted at Covance, Madison, Wisconsin, By Donald N. Kitchen, D.V.M., PhD of Colorado Pathology Services, Inc., Collbran, Colorado. The tissues had been previously examined and the data tabulated by pathologist, Dr. James L. Carter, at Covance.

Experimental Design

A summary of the experimental design for the study is presented below:

Study 6329-212

	No. of Animals		Dietary Levels [a]
Group	Male	Female	(ppm NEtFOSE)
1 (Control) [b]	70	70	0
2 (Low)	60	60	3
3 (Mid)	60	60	30
4 (Mid-High)	70	70	100
5 (High) [c]	70	70	300
6 (Mid-High Recovery)	40	40	100
7 (High Recovery) [c]	40	40	300

[a] T-6316 is 98>1% n-ethyl perfluorooctanesulfonamido ethanol (NetFose); dose levels are expressed as ppm of NEtFOSE.
[b] The control animals received the basal diet only.
[c] Five animals/sex in Group 5 were sacrificed during Week 8; the remaining animals in Groups 5 and 7 were sacrificed and discarded during Week 8.

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Study 6329-228			
Group	No. of Animals		Dietary Levels
	Male	Female	(ppm NEtFOSE)
8 (Control)	70	70	0
9 (Low dose)	70	70	1.0

Methods

The peer review as conducted consisted of three tasks. The first task was the complete review of all slides and confirmation of all diagnoses for 10% of the rats in the control and high dose (Groups 1 and 4) including the recovery (Group 6) of study 6329-212. The animals for complete review were selected by Covance and included the following:

— Main Study ---			
Males		Females	
Control	Group 4	Control	Group 4
90714	90904	91124	91314
90724	90914	91134	91324
90734	90124	91144	91334
90744	90934	91154	91344
90754	90944	91164	91354
90764	90954	91174	91364
90774	90964	91184	91374

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— Recovery Animals 10% —	
Males	Females
91048	91458
91058	91468
91068	91478
91078	91488

The second task consisted of validation of all neoplasms diagnosed by the study pathologist to determine if an acceptable diagnosis had been made.

The third task consisted of a review of livers from all animals and thyroid glands from all male animals, suspected target tissues.

Tasks two and three were performed on both studies, ie. 6329-212 and 6329-228.

Results

All the materials necessary for this review were readily available and well organized. Relevant in-life data and necropsy data were available to the reviewing pathologist. All slides required to be examined by the reviewing pathologist, were present and were considered to be of good quality. The quality of the histotechnique and the hematoxylin and eosin (H&E) staining were also considered to be good. No tissue artifacts were present that interfered with the slide evaluation and the stain provided good balance between nuclear and cytoplasmic staining. All slides were adequately labeled. Dr. James L. Carter the study pathologist, and Marcia J. Holland, histology supervisor, were especially helpful in providing the reviewing pathologist with materials and information needed to complete the peer review.

The differences noted during this review were examined and discussed by the study pathologist, the reviewing pathologist and the 3M pathologist (Dr. Marvin Case) utilizing a multiple headed microscope. All differences noted during this review were resolved with complete agreement concerning the final diagnoses.

Colorado Pathology Services, Inc. Project Number: P-1921

Summary

The excellent organization of all materials prior to the arrival of the reviewing pathologist greatly aided and simplified this peer review. The slides were well identified, organized by task and of excellent quality. All differences noted during this review were resolved with complete agreement concerning the final diagnoses.

Donald N. Kitchen 12/13/00

Donald N. Kitchen, D.V.M., Ph.D. Date
Veterinary Pathologist
Diplomate: ACVP

STATISTICAL REPORT OF SURVIVAL, NONNEOPLASTIC AND NEOPLASTIC LESIONS

Methods

Survival. Evaluations of trend and heterogeneity of survival data were performed using the Cox-Tarone binary regression method and the National Cancer Institute (NCI) Life Table Package (Thomas, Breslow, and Gart, 1977). Week 105 was treated as the end of the study in the NCI package for both sexes. Animals that died accidentally and those that were sacrificed at scheduled intervals were censored in the analysis. Continuity corrected one-sided tail probabilities for trend and two-sided tail probabilities for group comparisons were evaluated at the 5.0% significance level as reported in Text Tables 1 and 2. Kaplan-Meier product limit survival curves are presented in Text Figures 1 and 2 for males and females, respectively.

Nonneoplastic Lesions. Nonneoplastic lesions were chosen for statistical analyses if the incidence rate in at least one treated group (Groups 2 through 4) was increased or decreased by at least two occurrences over the control group (Group 1). The high recovery group (Group 6) was selected based on the incidence rate (%) if it was increased or decreased by at least two as compared to the control or high-dose group. When there was only one incidence in the high recovery and none in the other groups, that case was excluded from statistical evaluation. These were analyzed by the Cochran-Armitage test for trend and the Fisher-Irwin exact test for control versus treatment comparisons (Thakur, Berry, and Mielke, 1985). One-sided tail probabilities for trend and group comparisons were evaluated at the 5.0% significance level and are reported in Text Tables 3 and 4 for males and females, respectively.

Neoplastic Lesions. Neoplastic lesions were chosen for statistical analyses if the incidence rate in at least one treated group was increased or decreased by at least two occurrences over the control group. The incidental tumors (i.e., tumors that were not assigned to be the cause of death of the animals by the study pathologist) were analyzed by logistic regression of tumor prevalence (Dinse and Lagakos, 1983). The logistic regression model included linear and quadratic terms in age (week of death), but the quadratic term was eliminated if there was a lack of convergence. The fatal and palpable (superficial) tumors were analyzed by Cox-Tarone binary regression method, as in the case of survival, using the death time or the first palpation time (as applicable) as the tumor onset time. In the case of any particular tumor type where the study pathologist assigned the tumor in question as being the cause of death of a subset of the animals and the rest of the

animals were assumed to be dead of other competing risks, IARC-type (Peto, et al., 1980) cause of death analysis was performed. Specifically, the subset of the tumors, which were assigned to be the cause of death by the examining pathologist, was analyzed by Cox-Tarone logistic regression under life table techniques. The subset, which was considered incidental by the pathologist, was analyzed by logistic regression of tumor prevalences. For the cases of tumor types where cause of death was undetermined, these were treated as incidental for statistical evaluation. The score statistics and their respective variances from the above tests were then used to compute the combined evidence as described by Gart, et al., (1986). In the case of only one tumor belonging to one of the two categories (fatal and incidental) in a test, it was combined with the other category for the purpose of statistical analyses. In addition, in cases where there was lack of convergence for the asymptotic test of the logistic regression method, the exact probability of the test was obtained by using LogXact-Turbo (1993) and combined with the probability of the Cox-Tarone test, if necessary.

Common and rare tumors were evaluated at the 1.0% and 5.0% significance levels, respectively, for trend. The benign and malignant neoplastic incidences were evaluated separately, but were combined where appropriate. The criteria for combination were based on the work of McConnell et al. (1986). The incidences of multiple-organ findings such as hemangioma, hemangiosarcoma, lipoma, liposarcoma, fibroma, fibrosarcoma, leiomyoma, leiomyosarcoma, endometrial stromal polyp, and endometrial stromal sarcoma were counted by animal, not by tissue type. They were evaluated statistically if they met the selection criterion for the analysis. The statistical results for these cases may be biased because not all the animals were examined for every tissue. Pairwise one-sided group comparisons were evaluated at the 5.0% significance level. One-sided tail probabilities for trend analysis and group comparisons are shown in Text Tables 5 and 6 for males and females, respectively.

Groups 5 (High-dose) and 7 (High recovery) were excluded from all the analyses except the survival graphs (Text Figures 1 and 2) due to early sacrifices at Week 8. In the nonneoplastic analyses, animals sacrificed early (Week 4) in Groups 1 through 4 (Control, Low, Mid, and Mid-High, respectively) were excluded from the denominators. In the statistical evaluations of the neoplastic lesions, animals sacrificed early (during or before Week 14) in Groups 1 through 4 were discounted from the number of animals at risk. Further, in the neoplastic analyses, in the cases where the low, mid, and mid-high recovery groups did not have a complete histopathology examination, they were excluded from statistical analyses.

In the text tables, the p-values under Group 1 (Control) are for trend analysis and the p-values under Groups 2 (Low), 3 (Mid), 4 (Mid-High), and 6 (Mid-High recovery) are for the comparison of that group versus the control group. Group 6 was also compared with Group 4, and the p-values for those comparisons are indicated in the text tables. Trend analysis includes Groups 1, 2, 3, and 4 only.

Ordinal dose levels 0, 1, 2, and 3 were used in all analyses for Groups 1, 2, 3, and 4, respectively. Continuity correction was done for all asymptotic tests. The following notations are used throughout this report to designate direction and significance of effects.

+	=	Effect in the increased direction
-	=	Effect in the decreased direction
*	=	Significant at $p \leq 0.05$
**	=	Significant at $p \leq 0.01$
E	=	Exact permutation test
NA	=	Not analyzed

Results and Discussion

Survival. As indicated in Text Tables 1 and 2, no significant trends or group comparisons in mortality were observed in males and females.

Nonneoplastic Lesions. The liver in both sexes has been identified as the only organ that is appropriate to perform statistical analysis for nonneoplastic lesions.

As indicated in Text Table 3, there were significant positive trends in the incidences of hepatocellular vacuolation and hepatocellular centrilobular hypertrophy ($p = 0.00003$ and 0.00000, respectively) for males. These cases were associated with significant increases in the mid-high dose group ($p = 0.00009$ and 0.00000, respectively), when compared with the control. However, the mid-high recovery group animals in these cases exhibited significantly decreased incidences over the mid-high dose group ($p = 0.00107$ and 0.00035, for both cases) implying that the effect may be transient (reversible) in nature. A significant positive trend was also observed for cystic degeneration ($p = 0.00183$) in association with significantly increased incidences in both the mid- and mid-high dose males over the control ($p = 0.01634$ and 0.00589, respectively). There was no such effect in the females for this parameter. Unless this is a sex specific effect, it can be considered to be a chance variation. Further, significantly increased incidences

were observed in the mid-high recovery males, when compared with both control and mid-high dose males for hemorrhage (p = 0.03442 and 0.00462, respectively) and the low-dose group for telangiectasis as compared to the control (p = 0.04854). However, no significant trends were found in these cases, which diminishes their importance.

As indicated in Text Table 4, there were significant positive trends in the incidences of hepatocellular vacuolation, hepatocellular centrilobular hypertrophy, and bile duct hyperplasia (p = 0.02018, 0.00001, and 0.00463, respectively) for females. These cases were associated with significant increases in the mid-high-dose group (p = 0.01050, 0.00025, and 0.01750, respectively), when compared with the control. However, the mid-high recovery group animals have exhibited significantly decreased incidences over the mid-high-dose group (p = 0.02638, 0.00066, and 0.00782, respectively), which implies their transient nature. Marginally significant increases over the control were also revealed in the incidences of low- and mid-high-dose groups for chronic inflammation (p = 0.03410 and 0.02681, respectively). However, no significant trend was found in this case.

Neoplastic Lesions. As indicated in Text Table 5, significant positive trends were noted only in the incidences of thyroid follicular cell adenoma and its combined adenoma and carcinoma (p = 0.0171 and 0.0155, respectively) for males. These cases were associated with significant increases in the mid-high-dose group (p = 0.0107, for both cases) over the control. However, thyroid follicular cell carcinoma did not show any significant effect. Also, the trends mentioned earlier are nonmonotonic. Follicular cell adenoma in the thyroid of the Sprague Dawley rat is a common tumor (>1% background) for which the FDA uses a 1.0% significance level for trend evaluation. Therefore, these trends are not deemed to be biologically significant. There were no other significant neoplastic findings in the males of this study.

As indicated in Text Table 6, significant positive trends were observed only in the incidences of hepatocellular adenoma and combined adenoma and carcinoma (p = 0.0050 and 0.0022, respectively) for females. These cases were associated with significant increases in the mid-high-dose and mid-high recovery groups (p = 0.0120 and 0.0498, respectively for adenoma and p = 0.0069 and 0.0498, respectively, for adenoma/carcinoma), as compared with the control. However, hepatocellular carcinoma did not show a significant effect. There were significant negative trends in the incidences of mammary fibroadenoma; adenoma and fibroadenoma combined; and the combined adenoma, fibroadenoma, and carcinoma incidences (p = 0.0033, 0.0051, and 0.0122,

respectively). All these cases were associated with significantly lower incidences in the respective mid-high-dose group ($p = 0.0094$, 0.0113, and 0.0181, respectively). Furthermore, a marginally decreased incidence over the control was noted for the mammary combined fibroadenoma, adenoma, and carcinoma incidences ($p = 0.0403$). No significant trend or group comparisons were found in the incidences of mammary carcinoma. Significant negative trends were also noted in the incidences of pituitary adenoma and combined adenoma and carcinoma ($p = 0.0291$, for both cases). But none of the pairwise comparisons were significant in these cases. There was no significant trend or group effect in the pituitary carcinoma. There were no other significant neoplastic findings in females.

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Text Table 1

Results of Statistical Analyses of Survival Data for Male Rats

Group	1 Control	2 Low	3 Mid	4 Mid-High	6 Mid-High Recovery
Unadjusted Mortality	36/70 (.514)	28/60 (.467)	27/60 (.450)	33/70 (.471)	30/40 (.750)
Adjusted Mortality:					
Kaplan-Meier Estimate (Final)	.718	.559	.551	.657	.750
Standard Error	.064	.070	.071	.067	.068

	Cox-Tarone Test
Groups 1 vs 2-4 Trend p (one-sided)	.2438 -
Groups 1 vs 2 p (two-sided)	.2381 -
Groups 1 vs 3 p (two-sided)	.1736 -
Groups 1 vs 4 p (two-sided)	.4952 -
Groups 1 vs 6 p (two-sided)	.7216 +
Groups 4 vs 6 p (two-sided)	.2828 +

Text Table 2

Results of Statistical Analyses of Survival Data for Female Rats

Group	1 Control	2 Low	3 Mid	4 Mid-High	6 Mid-High Recovery
Unadjusted Mortality	37/70 (.529)	37/60 (.617)	35/60 (.583)	30/70 (.429)	28/40 (.700)
Adjusted Mortality:					
Kaplan-Meier Estimate (Final)	.740	.740	.700	.611	.700
Standard Error	.062	.062	.065	.070	.072

	Cox-Tarone Test
Groups 1 vs 2-4 Trend p (one-sided)	.0821 -
Groups 1 vs 2 p (two-sided)	.9118 -
Groups 1 vs 3 p (two-sided)	.8451 -
Groups 1 vs 4 p (two-sided)	.2020 -
Groups 1 vs 6 p (two-sided)	.7645 -
Groups 4 vs 6 p (two-sided)	.4088 +

Text Table 3

Results of Statistical Analyses of Nonneoplastic Lesions in the Males

Group	1 Control	2 Low	3 Mid	4 Mid-High	6 Mid-High Recovery	Groups 4 vs 6
LIVER NECROSIS, HEPATOCELLULAR						
	1/65	3/55	4/55	2/65	4/40	
p-values	.33770 +	.24911 +	.13458 +	NA	.06833 +	.14708 +
LIVER HEMORRHAGE						
	3/65	3/55	3/55	1/65	7/40	
p-values	.24261 -	NA	NA	.30956 -	.03442 +*	.00462 +**
LIVER INFLAMMATION, CHRONIC						
	18/65	20/55	23/55	20/65	9/40	
p-values	.31850 +	.20587 +	.07604 +	.42364 +	.36217 -	.24493 -
LIVER VACUOLATION, HEPATOCELLULAR						
	17/65	18/55	23/55	39/65	11/40	
p-values	.00003 +**	NA	.05271 +	.00009 +**	.52672 +	.00107 -**
LIVER CENTRILOBULAR HYPERTROPHY, HEPATOCELLULAR						
	0/65	1/55	3/55	22/65	2/40	
p-values	.00000 +**	NA	.09342 +	.00000 +**	.14286 +	.00035 -**
LIVER HYPERPLASIA, BILE DUCT						
	9/65	9/55	8/55	11/65	5/40	
p-values	.37867 +	NA	NA	.40426 +	.54603 -	.37555 -
LIVER DEGENERATION, CYSTIC						
	6/65	8/55	14/55	18/65	7/40	
p-values	.00183 +**	.26759 +	.01634 +*	.00589 +**	.17208 +	.17015 -
LIVER FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC						
	8/65	12/55	11/55	6/65	2/40	
p-values	.32152 -	.12579 +	.18421 +	.38915 -	.18700 -	.34905 -
LIVER TELANGIECTASIS						
	2/65	7/55	3/55	0/65	0/40	
p-values	.12470 -	.04854 +*	NA	.24806 -	.38095 -	NA
LIVER CYST						
	1/65	0/55	0/55	2/65	0/40	
p-values	.30780 +	NA	NA	NA	NA	.38095 -
LIVER LIPIDOSIS, TENSION						
	0/65	2/55	1/55	2/65	0/40	
p-values	.21735 +	.20798 +	NA	.24806 +	NA	.38095-
LIVER FIBROSIS						
	0/65	0/55	1/55	0/65	2/40	
p-values	NA	NA	NA	NA	.14286 +	.14286 +

Text Table 4

Results of Statistical Analyses of Nonneoplastic Lesions in the Females

Group	1 Control	2 Low	3 Mid	4 Mid-High	6 Mid-High Recovery	Groups 4 vs 6
LIVER NECROSIS, HEPATOCELLULAR						
	5/65	4/55	4/55	6/65	3/40	
p-values	.41816 +	NA	NA	NA	.65095 -	.53010 -
LIVER HEMORRHAGE						
	4/65	2/55	4/55	0/65	3/40	
p-values	.10451 -	.42223 -	NA	.05960 -	NA	.05270 +
LIVER HEMATOPOIESIS, EXTRAMEDULLARY						
	1/65	1/55	0/55	3/65	1/40	
p-values	.21735 +	NA	NA	.30956 +	NA	.50714 -
LIVER INFLAMMATION, CHRONIC						
	9/65	16/55	10/55	19/65	8/40	
p-values	.06223 +	.03410 +*	NA	.02681 +*	.28521 +	.20687 -
LIVER VACUOLATION, HEPATOCELLULAR						
	13/65	14/55	8/55	26/65	8/40	
p-values	.02018 +*	NA	.29527 -	.01050 +*	.59441	.02638 -*
LIVER CENTRILOBULAR HYPERTROPHY, HEPATOCELLULAR						
	1/65	0/55	0/55	14/65	0/40	
p-values	.00001 +**	NA	NA	.00025 +**	.61905 -	.00066 -**
LIVER HYPERPLASIA, BILE DUCT						
	4/65	3/55	6/55	13/65	1/40	
p-values	.00463 +**	NA	.27110 +	.01750 +*	.3660 -	.00782 -**
LIVER DEGENERATION, CYSTIC						
	0/65	2/55	0/55	2/65	1/40	
p-values	.25667 +	.20798 +	NA	.24806 +	NA	NA
LIVER STASIS, BILE						
	0/65	0/55	0/55	2/65	0/40	
p-values	.06250 +	NA	NA	.24806 +	NA	.38095 -
LIVER FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC						
	0/65	2/55	2/55	1/65	0/40	
p-values	.34805 +	.20798 +	.20798 +	NA	NA	NA
LIVER FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC						
	3/65	7/55	2/55	7/65	2/40	
p-values	.26768 +	.10200 +	NA	.16203 +	NA	.25853 -

Text Table 4 (Continued)

Results of Statistical Analyses of Nonneoplastic Lesions in the Females

Group	1 Control	2 Low	3 Mid	4 Mid-High	6 Mid-High Recovery	Groups 4 vs 6
LIVER TELANGIECTASIS						
	3/65	6/55	1/55	4/65	5/40	
p-values	.45263 -	.16964 +	.37488 -	NA	.13634 +	.21870 +
LIVER LIPIDOSIS, TENSION						
	0/65	1/55	0/55	0/65	2/40	
p-values	NA	NA	NA	NA	.14286 +	.14286 +
LIVER FIBROSIS						
	0/65	3/55	1/55	0/65	1/40	
p-values	.41376 -	.09342 +	NA	NA	NA	NA

Text Table 5

Results of Statistical Analyses of Neoplastic Lesions - Male Rats

Group	1 Control	2 Low	3 Mid	4 Mid-High	6 Mid-High Recovery	Groups 4 vs 6
Liver - Hepatocellular, Adenoma						
Fatal Incidence	0	2	1	1	0	
Incidental Incidence	2	2	1	4	0	
Total Incidence Rate	2/55	4/50	2/50	5/60	0/40	
One-sided p-values	.2514 +	.3324 +	NA	.1883 +	.3149 -	.0854 -
Pancreas - Islet Cell, Adenoma						
Fatal Incidence	0	0	0	0	0	
Incidental Incidence	4	7	2	6	2	
Total Incidence Rate	4/55	7/50	2/50	6/60	2/40	
One-sided p-values	.4817 -	.2869 +	.2575 -	.3040 +	.4753 -	.3161 -
Pancreas - Islet Cell, Carcinoma						
Fatal Incidence	0	0	0	0	0	
Incidental Incidence	0	0	1	0	0	
Total Incidence Rate	0/55	0/50	1/50	0/60	0/40	

Note: Incidences across groups do not meet the selection criterion.

Text Table 5 (Continued)

Results of Statistical Analyses of Neoplastic Lesions - Male Rats

Group	1 Control	2 Low	3 Mid	4 Mid-High	6 Mid-High Recovery	Groups 4 vs 6
Pancreas - Islet Cell, Adenoma/Carcinoma						
Fatal Incidence	0	0	0	0	0	
Incidental Incidence	4	7	3	6	2	
Total Incidence Rate	4/55	7/50	3/50	6/60	2/40	
One-sided p-values	.4678 +	.2869 +	.4072 -	.3040 +	.4753 -	.3161 -
Adrenal Medulla - Pheochromocytoma, Benign						
Fatal Incidence	0	0	0	0	0	
Incidental Incidence	9	6	4	5	1	
Total Incidence Rate	9/55	6/29	4/31	5/60	1/31	
One-sided p-values	NA	NA	NA	.2227 -	NA	NA
Testis - Interstitial Cell Tumor, Benign						
Fatal Incidence	0	0	0	0	0	
Incidental Incidence	3	1	3	1	0	
Total Incidence Rate	3/55	1/50	3/50	1/60	0/40	NA
One-sided p-values	.2566 -	.2620 -	NA	.1646 -	.1779 -	

Text Table 5 (Continued)

Results of Statistical Analyses of Neoplastic Lesions - Male Rats

Group	1 Control	2 Low	3 Mid	4 Mid-High	6 Mid-High Recovery	Groups 4 vs 6
Thyroid - C-Cell, Adenoma						
Fatal Incidence	0	0	0	0	0	
Incidental Incidence	10	10	10	12	5	
Total Incidence Rate	10/55	10/50	10/50	12/60	5/40	
One-sided p-values	.3344 +	NA	NA	.3320 +	.3100 -	.1843 -
Thyroid - C-Cell, Carcinoma						
Fatal Incidence	0	0	0	0	0	
Incidental Incidence	0	0	1	0	1	
Total Incidence Rate	0/55	0/50	1/50	0/60	1/40	
Note: Incidences across groups do not meet the selection criterion.						
Thyroid - C-Cell, Adenoma/Carcinoma						
Fatal Incidence	0	0	0	0	0	
Incidental Incidence	10	10	11	12	6	
Total Incidence Rate	10/55	10/50	11/50	12/60	6/40	
One-sided p-values	.3124 +	NA	NA	.3320 +	.3100 -	.1843 -

Text Table 5 (Continued)

Results of Statistical Analyses of Neoplastic Lesions - Male Rats

Group	1 Control	2 Low	3 Mid	4 Mid-High	6 Mid-High Recovery	Groups 4 vs 6
Thyroid - Follicular Cell, Adenoma						
Fatal Incidence	0	0	0	0	0	
Incidental Incidence	0	3	1	6	1	
One-sided p-values	.0171 +*	.1662 +	NA	.0107 +*	NA	.1204 -
Thyroid - Follicular Cell, Carcinoma						
Fatal Incidence	0	0	0	0	0	
Incidental Incidence	0	0	1	0	1	
Total Incidence Rate	0/55	0/50	1/50	0/60	1/40	
Note: Incidences across groups do not meet the selection criterion.						
Thyroid - Follicular Cell, Adenoma/Carcinoma						
Fatal Incidence	0	0	0	0	0	
Incidental Incidence	0	3	2	6	2	
Total Incidence Rate	0/55	3/50	2/50	6/60	2/40	
One-sided p-values	.0155 +*	.1662 +	.3667 +(E)	.0107 +*	.1713 +	.2303 -

Text Table 5 (Continued)

Results of Statistical Analyses of Neoplastic Lesions - Male Rats

Group	1 Control	2 Low	3 Mid	4 Mid-High	6 Mid-High Recovery	Groups 4 vs 6
Pituitary - Adenoma						
Fatal Incidence	23	15	17	22	20	
Incidental Incidence	23	13	19	26	11	
Total Incidence Rate	46/55	28/33	36/38	48/60	31/36	
One-sided p-values	NA	NA	NA	.4108 -	.1616 +	.1037 +
Skin - Papilloma, Squamous Cell						
Total Incidence Rate	0/55	3/35	0/33	2/60	3/32	
One-sided p-values	NA	NA	NA	.2509 +	NA	NA
Multiple Organs - Fibroma						
Total Incidence Rate	2/55	1/35	1/33	0/60	0/32	
One-sided p-values	NA	NA	NA	.1957 -(E)	NA	NA
Multiple Organs - Fibrosarcoma						
Total Incidence Rate	1/55	0/29	0/28	0/60	0/30	
Note: Incidences across groups do not meet the selection criterion.						
Multiple Organs - Fibroma/Fibrosarcoma						
Total Incidence Rate	3/55	1/35	1/33	0/60	0/32	
One-sided p-values	NA	NA	NA	.0946 -	NA	

Text Table 6

Results of Statistical Analyses of Neoplastic Lesions - Female Rats

Group	1 Control	2 Low	3 Mid	4 Mid-High	6 Mid-High Recovery	Groups 4 vs 6
Liver - Hepatocellular, Adenoma						
Fatal Incidence	0	0	1	0	0	
Incidental Incidence	0	1	2	6	3	
Total Incidence Rate	0/55	1/50	3/50	6/60	3/40	
One-sided p-values	.0050 +**	NA	.0796 +	.0120 +*	.0498 +*	.4879 -
Liver - Hepatocellular, Carcinoma						
Fatal Incidence	0	0	0	0	0	
Incidental Incidence	0	0	0	1	0	
Total Incidence Rate	0/55	0/50	0/50	1/60	0/40	
Note: Incidences across groups do not meet the selection criterion.						
Liver - Hepatocellular, Adenoma/Carcinoma						
Fatal Incidence	0	0	1	0	0	
Incidental Incidence	0	1	2	7	3	
Total Incidence Rate	0/55	1/50	3/50	7/60	3/40	
One-sided p-values	.0022 +**	NA	.0796 +	.0069 +**	.0498 +*	.3805 -

Text Table 6 (Continued)

Results of Statistical Analyses of Neoplastic Lesions - Female Rats

Group	1 Control	2 Low	3 Mid	4 Mid-High	6 Mid-High Recovery	Groups 4 vs 6
Pancreas - Islet Cell, Adenoma						
Fatal Incidence	0	0	0	0	0	
Incidental Incidence	1	4	1	1	1	
Total Incidence Rate	1/55	4/50	1/50	1/60	1/40	
One-sided p-values	.2252 -(E)	.1609 +(E)	NA	NA	NA	NA
Adrenal Medulla - Pheochromocytoma, Benign						
Fatal Incidence	0			0		
Incidental Incidence	0			2		
Total Incidence Rate	0/55	2/40	1/39	2/60	1/30	
One-sided p-values	NA	NA	NA	.3448 +(E)	NA	NA
Thymus - Thymic, Carcinoma						
Fatal Incidence	0	0	0	1	0	
Incidental Incidence	0	0	0	1	0	
Total Incidence Rate	0/55	0/36	0/35	2/59	0/25	
One-sided p-values	NA	NA	NA	.1029 +	NA	NA

Text Table 6 (Continued)

Results of Statistical Analyses of Neoplastic Lesions - Female Rats

Group	1 Control	2 Low	3 Mid	4 Mid-High	6 Mid-High Recovery	Groups 4 vs 6
Thyroid - C-Cell, Adenoma						
Fatal Incidence	0	0	0	0	0	
Incidental Incidence	8	13	8	11	8	
Total Incidence Rate	8/55	13/50	8/50	11/60	8/40	
One-sided p-values	.4920 +	.1323 +	NA	.3258 +	NA	.4676 +
Thyroid - C-Cell, Carcinoma						
Fatal Incidence	1	0	0	0	0	
Incidental Incidence	0	0	0	0	0	
Total Incidence Rate	1/55	0/50	0/50	0/60	0/40	
Note: Incidences across groups do not meet the selection criterion.						
Thyroid - C-Cell, Adenoma/Carcinoma						
Fatal Incidence	1	0	0	0	0	
Incidental Incidence	8	13	8	11	8	
Total Incidence Rate	9/55	13/50	8/50	11/60	8/40	
One-sided p-values	.4866 -	.1990 +	NA	.4095 +	NA	.4676 +

Text Table 6 (Continued)

Results of Statistical Analyses of Neoplastic Lesions - Female Rats

Group	1 Control	2 Low	3 Mid	4 Mid-High	6 Mid-High Recovery	Groups 4 vs 6
Thyroid - Follicular Cell, Adenoma						
Fatal Incidence	0	0	0	0	0	
Incidental Incidence	1	0	2	4	1	
Total Incidence Rate	1/55	0/50	2/50	4/60	1/40	
One-sided p-values	.0617 +	NA	NA	.1139 +	NA	.2909 -
Pituitary - Adenoma						
Fatal Incidence	26	28	23	17	16	
Incidental Incidence	22	18	25	28	18	
Total Incidence Rate	48/55	46/48	48/49	45/59	34/38	
One-sided p-values	.0291 -*	.3193 +	NA	.0962 -	.3276 -	.1149 +
Pituitary - Carcinoma						
Fatal Incidence	0	0	0	0	1	
Incidental Incidence	0	0	0	0	0	
Total Incidence Rate	0/55	0/48	0/49	0/59	1/38	

Note: Incidences across groups doe not meet the selection criterion

Text Table 6 (Continued)

Results of Statistical Analyses of Neoplastic Lesions - Female Rats

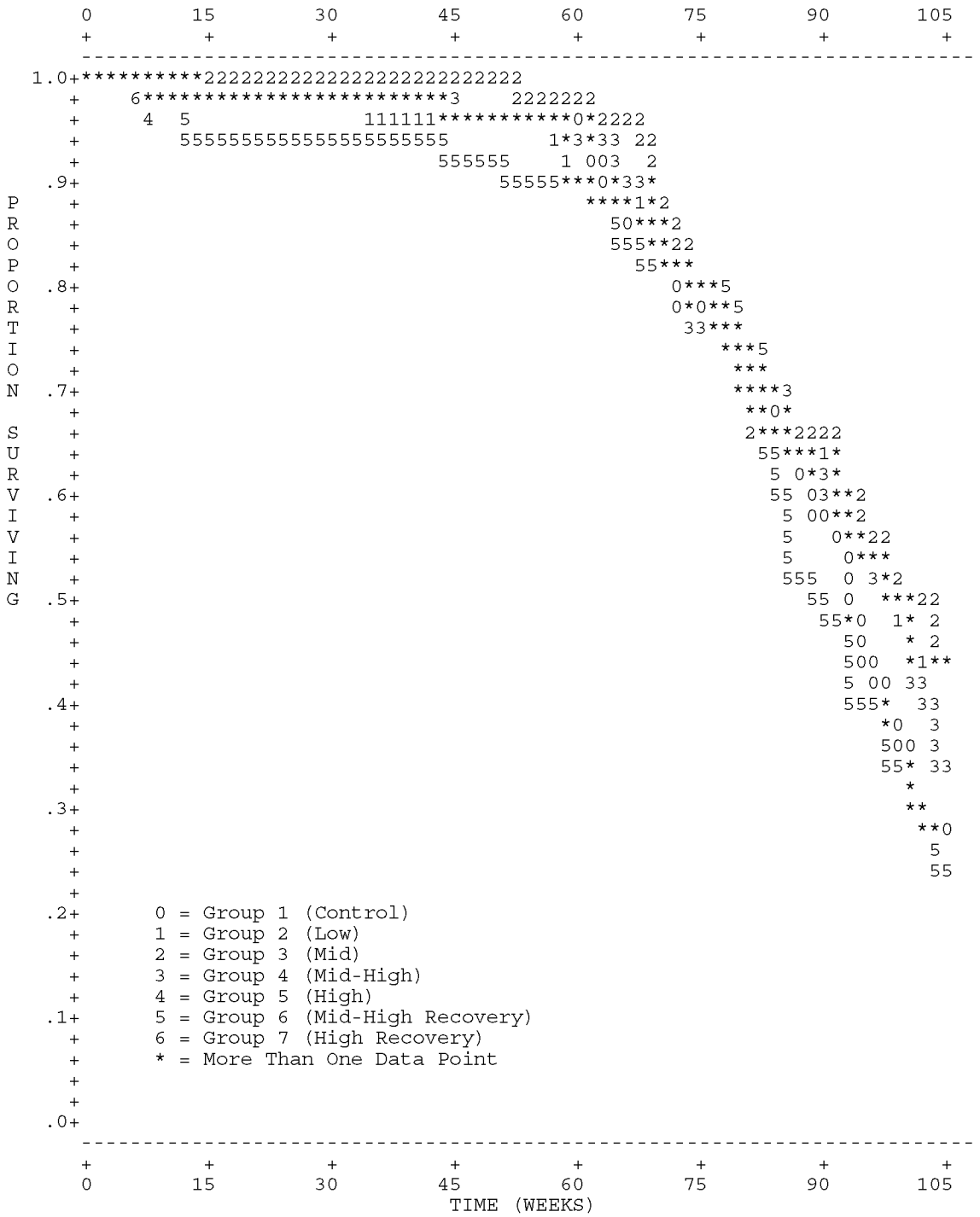
Group	1 Control	2 Low	3 Mid	4 Mid-High	6 Mid-High Recovery	Groups 4 vs 6
Pituitary - Adenoma/Carcinoma						
Fatal Incidence	26	28	23	17	17	
Incidental Incidence	22	18	25	28	18	
Total Incidence Rate	48/55	46/48	48/49	45/59	35/38	
One-sided p-values	.0291 -*	.3193 +	NA	.0962 -	.4362 -	.0644 +
Mammary - Adenoma						
Total Incidence Rate	6/54	4/50	6/50	3/60	4/40	
One-sided p-values	.1522 -	.3187 -	NA	.1492 -	.4486 -	.3332 +
Mammary - Fibroadenoma						
Total Incidence Rate	23/54	21/50	16/50	13/60	12/40	
One-sided p-values	.0033 -**	.4531 -	.0727 -	.0094 -**	.0525 -	.3506 +
Mammary - Adenoma/Fibroadenoma						
Total Incidence Rate	26/54	24/50	21/50	16/60	15/40	
One-sided p-values	.0051 -**	.3923 -	.1200 -	.0113 -*	.0801 -	.2876 +

Text Table 6 (Continued)

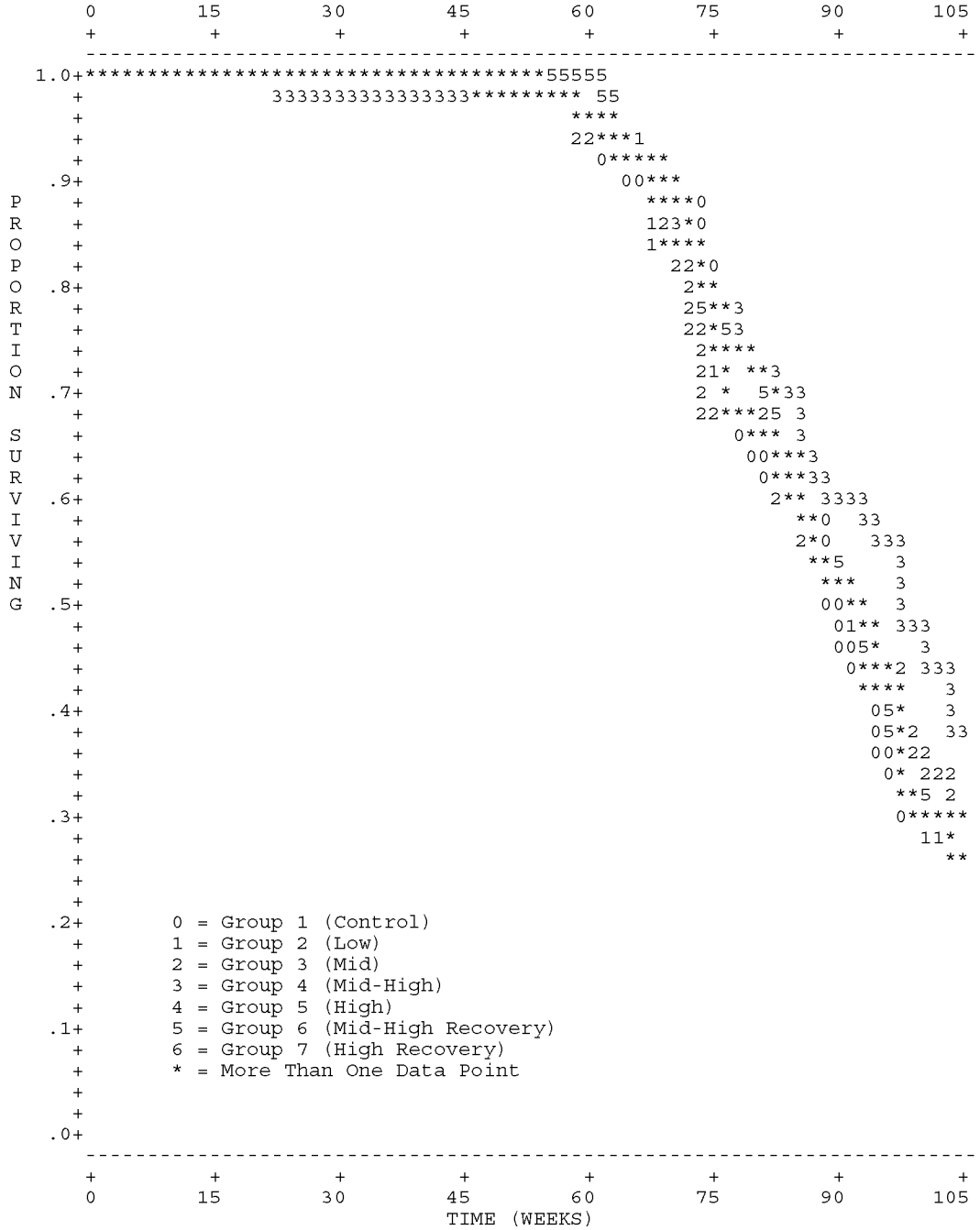
Results of Statistical Analyses of Neoplastic Lesions - Female Rats

Group	1 Control	2 Low	3 Mid	4 Mid-High	6 Mid-High Recovery	Groups 4 vs 6
Mammary - Carcinoma						
Total Incidence Rate	9/54	9/50	15/50	11/60	6/40	
One-sided p-values	.3277 +	NA	.1399 +	.4323 +	.4108 -	.3616 -
Mammary - Adenoma/Fibroadenoma/Carcinoma						
Total Incidence Rate	32/54	29/50	28/50	23/60	18/40	
One-sided p-values	.0122 -*	.4055 -	.2364 -	.0181 -*	.0403 -*	.4781 +
Multiple Organs - Leiomyoma						
Total Incidence Rate	3/55	0/41	0/39	1/60	1/32	
One-sided p-values	NA	NA	NA	.1710 -(E)	NA	NA

TEXT FIGURE 1
KAPLAN-MEIER PRODUCT LIMIT ESTIMATE CURVES OF SURVIVAL: MALE RATS



TEXT FIGURE 2
KAPLAN-MEIER PRODUCT LIMIT ESTIMATE CURVES OF SURVIVAL: FEMALE RATS



COMMENTS ON THE DATA

Various models of calculators, computers, and computer programs were used to analyze data in this study. Because different models round off or truncate numbers differently, values in some tables (e.g., means, standard deviations, or individual values) may differ slightly from those in other tables, from individually calculated data, or from statistical analysis data. Neither the integrity nor the interpretation of the data was affected by these differences.

The units for the dose levels in the inlife summary tables are ppm.

The number of animals listed in the heading of the summary tables for clinical and mass observations reflects the number of animals assigned to each group at the start of the study.

The summary tables for clinical observations indicates the number of animals for which a condition was observed without regard to the reversibility, number of incidences/animal, or the length of time the condition persisted.

Only observations for each animal other than normal are indicated in the summary clinical observations tables.

Each animal with observations recorded as "Normal" throughout the study has the comment "No remarkable observations" indicated in the individual clinical observations tables.

The specific details for comments in the individual clinical observations tables that are indicated with a "C" can be found at the end of each group for each sex.

The values for summary and individual test material consumption are reported with more significant figures than is appropriate for the data due to limitations of the data collection and reporting software.

Food consumption values are reported in whole numbers; however, the data collection system carries food consumption values to one place to the right of the decimal for food efficiency and test material consumption calculations. The differences in values generated do not influence the interpretation of the calculation.

The comment "SPILLED" in individual food consumption data tables indicates that food consumption was not recorded due to spillage during the interval.

The comment "CNTMD" in individual food consumption data tables indicates that food consumption was not recorded due to contamination of the diet with urine or feces in the food container.

COMMENTS ON THE DATA (Continued)

The comment "NOT TAKEN" in individual food consumption data tables indicates that the animal died before the end of the food consumption interval.

Differences in the population size (N) in the summary tables for clinical and anatomic pathology are explained in the individual data tables or the codes sheets or in the Protocol Deviations section.

Results of clinical pathology samples collected for animals sacrificed at unscheduled intervals appear in the individual clinical pathology tables for the next scheduled interval. These results are not in the summary tables and are not included in the statistical analyses.

Statistical analyses were not done when there were two or fewer values for a parameter.

The calculation for individual test material consumption is:

Test material consumption =

$$\frac{\text{Diet Concentration} \times \text{Food Consumption}}{\text{Food Consumption Interval} \times [\text{First Body Weight of Interval} + (\text{Daily Body Weight Gain} \times \text{Day Factor})]}$$

where: Daily Body Weight Gain =

$$\frac{\text{Last Body Weight of Interval} - \text{First Body Weight of Interval}}{\text{Day of Last Body Weight of Interval} - \text{Day of First Body Weight of Interval}}$$

and: Day Factor =

$$(\text{Food Consumption Start Day} - \text{Day of First Body Weight of Interval}) + \frac{\text{Food Consumption Interval}}{2}$$

and: Food Consumption Interval =

$$\text{Food Consumption End Day} - \text{Food Consumption Start Day}$$

CODES, ABBREVIATIONS, AND UNITS

General Codes and Abbreviations
Codes for Clinical Pathology
Abbreviations and Units for Clinical Hematology
Abbreviations and Units for Clinical Chemistry
Abbreviations and Units for Clinical Urinalysis
Abbreviations and Units for Urine Chemistry
Codes for Anatomic Pathology

Note: The following lists of codes, abbreviations, and units are used by Covance. Some, but not necessarily all, of this information may be needed for this report.

General Codes and Abbreviations

WK	Week
N	Number of measurements in a group
Mean; MEAN	Arithmetic mean
CAM	Covariate-adjusted mean
SD; S.D.; STAND DEV; STANDARD DEV; sd	Standard deviation
*	Group mean is significantly different from the mean of the control group (Group 1) at $p \leq 0.05$
-; NA	No value; not applicable; not present
P	Present
C	Comment found at the end of each group for each sex
UNSCHED	Unscheduled
DISPATCH	Observations transferred from the inlife module of the data collection system to the necropsy module for reference during necropsy. Observations are duplicates of the last inlife observations.

Animal Death Codes

1	Interim sacrifice, Week 4
2	Interim sacrifice, Week 8
3	Interim sacrifice, Week 14
4	Interim sacrifice, Week 52
6	Interim sacrifice, Week 8
T	Terminal sacrifice
D	Found dead
M	Moribund
U	First postrecovery sacrifice

Codes for Clinical Pathology

GENERAL CODES

NS	No sample
QS/QNS	Quantity not sufficient
NR	No repeat (sample volume not sufficient for repeat analysis)
FS	Fibrin strands
SC	Sample clotted
SH	Slightly hemolyzed
H	Hemolyzed
SL	Slightly lipemic
L	Lipemic
SI	Slightly icteric
I	Icteric
NF	Animal not fasted
U	Unscheduled/moribund bleed
DT/DOT	Animal died on test
DB	Died during bleeding
TJ	Technician judgment to repeat test
TE	Technical error (instrument or technician error that results in unacceptable data, e.g., unacceptable instrument output, sample spilled, entry of invalid data)
RE	Recording error (recorded incorrect data, e.g., wrong number, spelling error, incorrect date)
EE	Entry error (incorrect keyboard entry)
SE	Sampling error
PC	Platelets clumped
PD	Platelets decreased
PI	Platelets increased
PL	Platelets large
PA	Platelets appear adequate
CO	Color interferes with test
HB	Heinz bodies observed
PLASMO	Plasmodium
NO AGG	No aggregation
FR	Fractious
UTD	Unable to determine
NO COAG	No coagulation

Codes for Clinical Pathology (Continued)

RESULTS NOT INCLUDED IN STATISTICAL ANALYSES

Hemolyzed clinical chemistry or coagulation samples
Samples from animals at unscheduled intervals
Prothrombin times (PT) greater than 50 seconds
Activated partial thromboplastin times (PTT) greater than 110 seconds
Bleed times (BLETIME) greater than 30 minutes

CODES FOR BLOOD CELL MORPHOLOGY

The following scale was used to measure the degree of anisocytosis (ANISO), poikilocytosis (POIK), polychromasia (POLY), hypochromasia (HYPO), or basophilic stippling (BASTIP) or the presence of Howell-Jolly bodies (HJBODY), toxic neutrophils (TOXNEUT), or atypical lymphocytes (ATYPLYM).

Scale	Degree	Presence
-	Normal for the species	Not present
1	Slight	Rare
2	Moderate	Few
3	Marked	Moderate
4	Not applicable	Many

URINE APPEARANCE

Color						Clarity		Miscellaneous	
A	Pale	E	Amber	I	Black	J	Clear	M	Debris
B	Straw	F	Brown	P	Blue/green	K	Hazy	O	Feces
C	Yellow	G	Red	Q	Blue	L	Cloudy		
D	Dark yellow	H	Green	R	Orange				

Codes for Clinical Pathology (Continued)

URINE CHEMISTRY MULTISTIX® STRIP

Urine Glucose		Urine Ketone		Urine Blood	
-	Negative	-	Negative	-	Negative
+	100 mg/dL	+	5 mg/dL	+	Small
++	250 mg/dL	++	15 mg/dL	++	Moderate
+++	500 mg/dL	+++	40 mg/dL	+++	Large
++++	1,000 mg/dL	++++	80 mg/dL		
+++++	≥2,000 mg/dL	+++++	160 mg/dL		

Urine Urobilinogen		Urine Bilirubin	
-	0.2 mg/dL	-	Negative
+	1 mg/dL	+	Small
++	2 mg/dL	++	Moderate
+++	4 mg/dL	+++	Large
++++	8 mg/dL		

(1 mg = approximately 1 Ehrlich unit)

URINE SEDIMENT

Cells, Crystals, Casts, and Comments				Bacteria	
A	Amorphous urates	Q	Sperm	0	Not present
B	Amorphous phosphates	R	Fecal contamination	1	Few
C	Uric acid	S	Pinworm ova found	2	Moderate
D	Triple phosphates	T	Pinworm larvae found	3	Many
E	Calcium oxalate	U	Parasite ova found		
F	Calcium carbonate				
G	Granular casts				
H	Hyaline casts	0	Not present		
I	Cellular casts	1	1 - 5 per field		
J	Waxy casts	2	6 - 10 per field		
K	Unknown crystal	3	11 - 20 per field		
P	Mucous threads	4	>20 per field		

Abbreviations and Units for Clinical Hematology

Test	Abbreviation (Units)
Red blood cell count	RBC (E6/UL or $X10^6/\mu L$)
Hemoglobin	HGB (G/DL)
Hematocrit	HCT (%)
Mean corpuscular volume	MCV (FL)
Mean corpuscular hemoglobin	MCH (PG)
Mean corpuscular hemoglobin concentration	MCHC (%)
Platelet count	PLT (E3/UL or $X10^3/\mu L$)
Mean platelet volume	MPV (FL)
Reticulocyte count	RETIC (%)
Absolute reticulocyte count	RETIC (E3/UL or $X10^3/\mu L$)
Heinz body count	HEINZ (%)
Erythrocyte sedimentation rate	ESR (MM/HR)
Prothrombin time	PT (SEC)
Activated partial thromboplastin time	PTT (SEC)
Thrombin time	TT (SEC)
Activated coagulation time	ACT (SEC)
Fibrinogen	FBR (MG/DL)
Fibrin/fibrinogen degradation products	FDP (UG/ML)
Platelet aggregation	
Collagen	PAGG/COL (%)
Adenosine diphosphate	PAGG/ADP (%)
Alpha 2-antiplasmin	ANTIPLAS (%)
Bleeding time	BLE TIME (SEC)
Methemoglobin	METHGB (%)
Plasma hemoglobin	PLA HGB (MG/DL)
Myeloid/erythroid ratio	M/E RATIO
Estimated myeloid/erythroid ratio	EST M/E RATIO
White blood cell count	WBC (E3/UL or $X10^3/\mu L$)
Differential blood cell count	
Segmented neutrophil count	N-SEG (E3/UL or $X10^3/\mu L$) and %
Lymphocyte count	LYMPH (E3/UL or $X10^3/\mu L$) and %
Monocyte count	MONO (E3/UL or $X10^3/\mu L$) and %
Eosinophil count	EOSIN (E3/UL or $X10^3/\mu L$) and %
Basophil count	BASO (E3/UL or $X10^3/\mu L$) and %
Anisocytosis	ANISO (-,1,2,3)
Polychromasia	POLY (-,1,2,3)
Poikilocytosis	POIK (-,1,2,3)
Toxic neutrophils	TOXNEUT (-,1,2,3,4)

Abbreviations and Units for Clinical Chemistry

Test	Abbreviation (Units)
Glucose	GLU (MG/DL)
Urea nitrogen	UN (MG/DL)
Creatinine	CREAT (MG/DL)
Total protein	T PRO (G/DL)
Albumin	ALB (G/DL)
Globulin	GLOB (G/DL)
Total bilirubin	T BILI (MG/DL)
Cholesterol	CHOL (MG/DL)
Triglyceride	TRIG (MG/DL)
Aspartate aminotransferase	AST/SGOT (IU/L)
Alanine aminotransferase	ALT/SGPT (IU/L)
Gamma glutamyltransferase	GGT (IU/L)
Palmitoyl CoA oxidase	PCOAO (IU/G)
Calcium	CA (MG/DL)
Inorganic phosphorus	I PHOS (MG/DL)
Sodium	NA (MMOL/L)
Potassium	K (MMOL/L)
Chloride	CL (MMOL/L)

Abbreviations and Units for Clinical Urinalysis

Test	Abbreviation (Units)
Urine volume	U VOL (ML)
Specific gravity	SP GR
Urine chemistry Multistix® strip	
Urine pH	U PH
Urine protein	U PRO (MG/DL)
Urine glucose	U GLU
Urine ketones	U KET
Urine bilirubin	U BILI
Urine blood	U BLOOD
Urine urobilinogen	UROBILI
Microscopic examination of urine sediment	
Red blood cells per high-power field	RBC (PER HPF)
White blood cells per high-power field	WBC (PER HPF)
Epithelial cells per high-power field	EPITH (PER HPF)
Bacteria per high-power field	BACT (PER HPF)
Casts per low-power field	CASTS (PER LPF)
Crystals per low-power field	CRYSTALS (PER LPF1 or PER LPF2)
Urine appearance	URINE APP1 or URINE APP2
Comments	COMMENTS

Abbreviations and Units for Urine Chemistry

Test	Abbreviation (Units)
Urine sodium	U NA (MMOL/L)
Urine potassium	U K (MMOL/L)
Sodium excretion	NA EXC (MMOL)
Potassium excretion	K EXC (MMOL)

Codes for Anatomic Pathology

Code	Definition

MACROSCOPIC CODES

EX	Indicates that organ weight is excluded from calculations
NOT TAKEN	Organ weight not taken; explanation given in necropsy notes
MISSING	Organ missing or lost
UNSUITABLE	Organ technically unsuitable for weighing
AUTOLYTIC	Organ autolyzed and could not be weighed
EXCLUDE	Weight was taken, but was excluded from all calculations

MICROSCOPIC CODES

Codes Prefacing Neoplastic Findings

B-	Primary, benign neoplasm
M-	Primary, malignant neoplasm
N-	Metastatic neoplasm
I-	Locally invasive neoplasm
X-	Other neoplasm

Distribution of Findings

Focal
Diffuse
Multifocal

Grades for Severity or Amount

1	Minimal - the least amount of change that can be observed with the light microscope
2	Slight - less than average amount of change, but readily discernible as abnormal
3	Moderate - the average amount of change that is expected for a lesion
4	Moderately severe (marked) - a marked amount of change with possible loss of function of the affected cells or organs
5	Severe - a great amount of change with probable loss of function of the affected cell or organs and frequently involves large areas of the organ

Codes for Anatomic Pathology (Continued)

Other Microscopic Codes

TL	Total
P	Finding present
-	Finding not present
MN	Mean

TISSUE ABBREVIATIONS

Abbreviation	Definition
LN	Lymph node
GL	Gland
STOMACH, GL	Glandular stomach
STOMACH, NONGL	Nonglandular stomach
SALIV GL, MANDIB	Mandibular salivary gland
LN, ANT MES/PANC	Anterior mesenteric/pancreatic lymph node
AUDITORY SEB GL	Auditory sebaceous gland
LACRIMAL GLAND, EX	Exorbital lacrimal gland
HEMATO NEOPLASIA	Hematopoietic neoplasia
LACRIMAL GL, INT	Internal lacrimal gland
CAVITY, ABDOM	Abdominal cavity
SALIV GL,PAROTID	Parotid salivary gland
LN, TRACHEOBRON	Tracheobronchial lymph node

Figure 1
Adjusted Survival Data (%) - Males

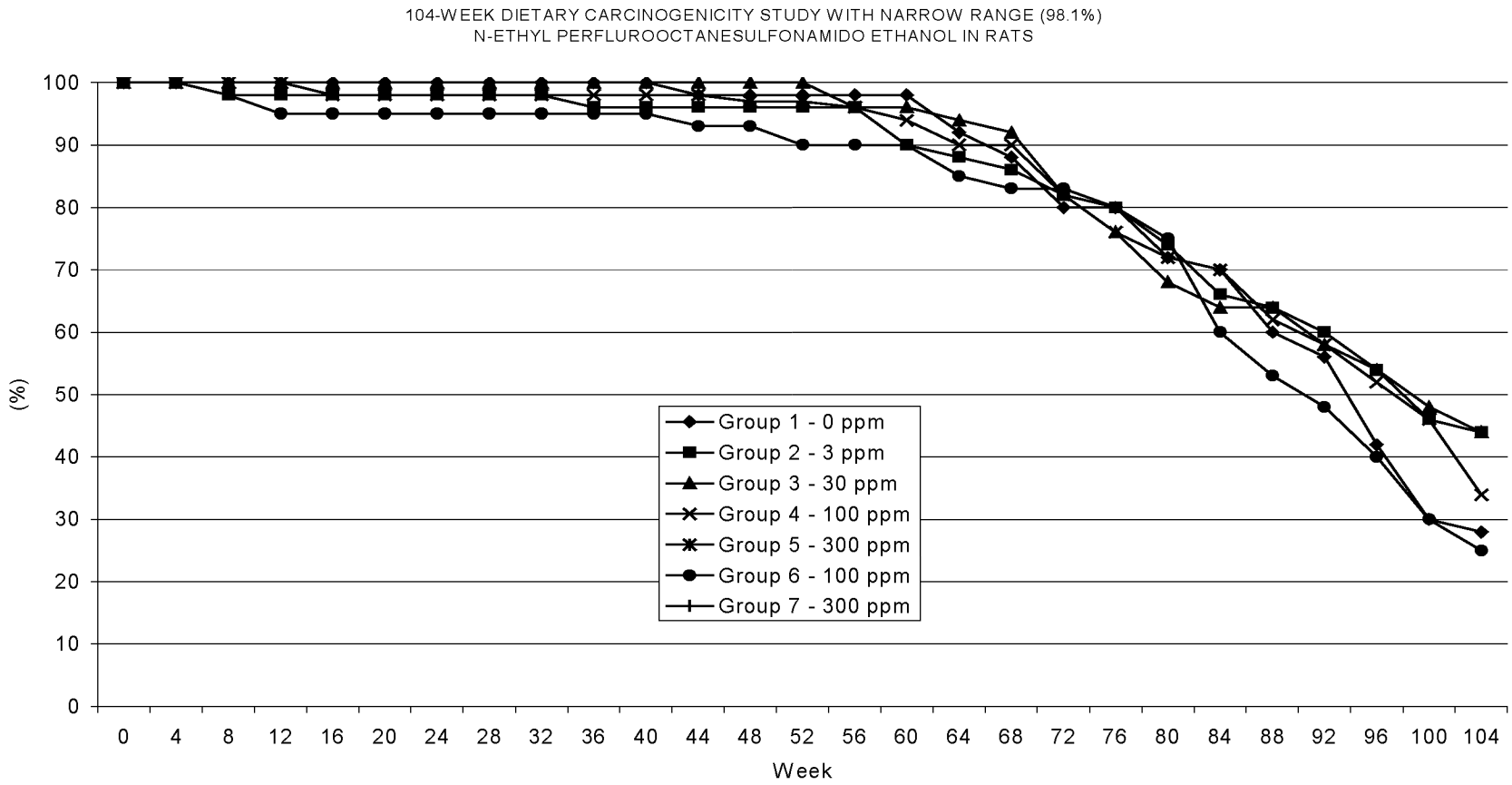


Figure 2

Adjusted Survival Data (%) - Females

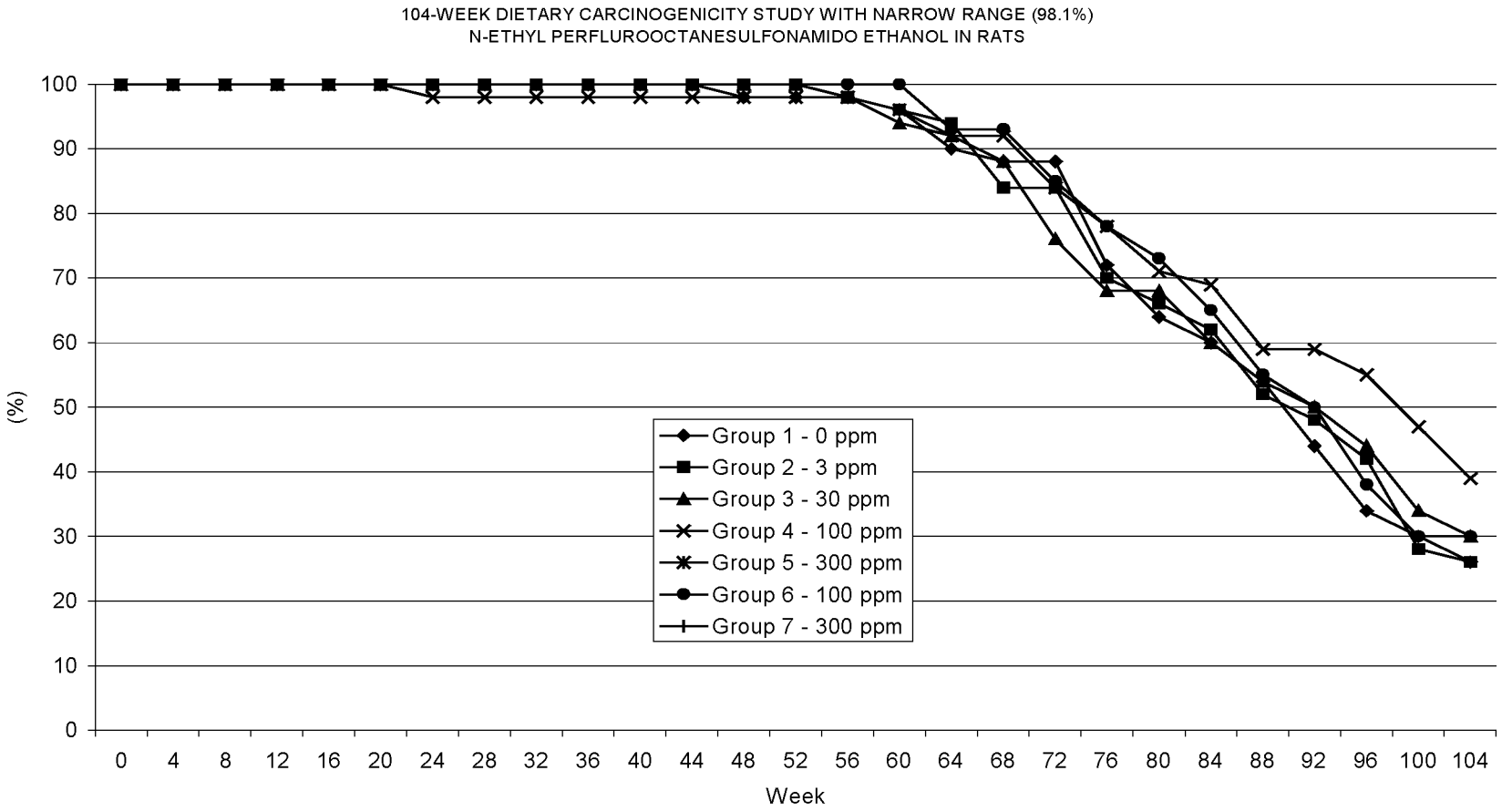
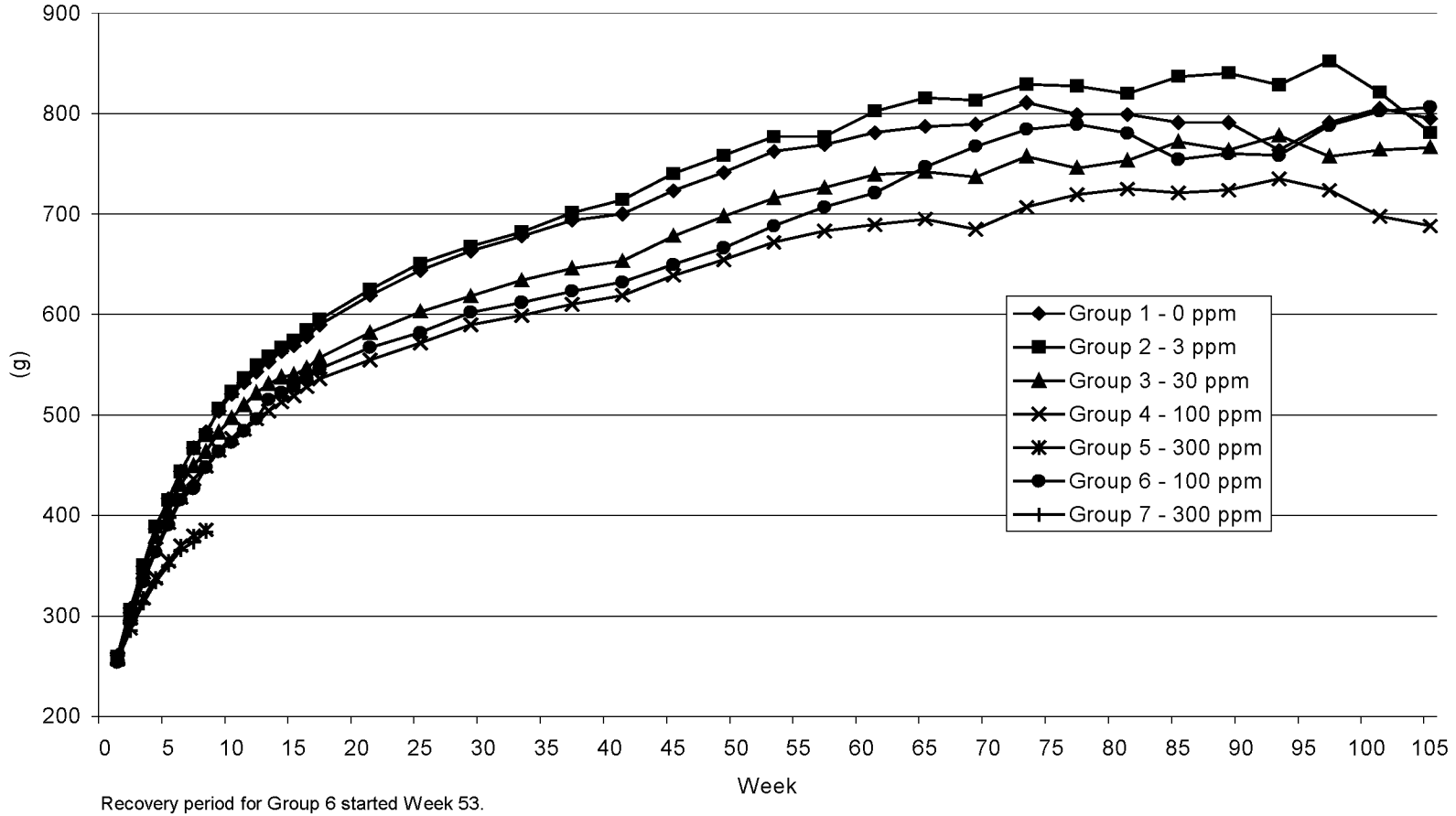


Figure 3

Covance 6329-212
3M T-6316.1

Mean Body Weight Data (g) - Males

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUROOCTANESULFONAMIDO ETHANOL IN RATS

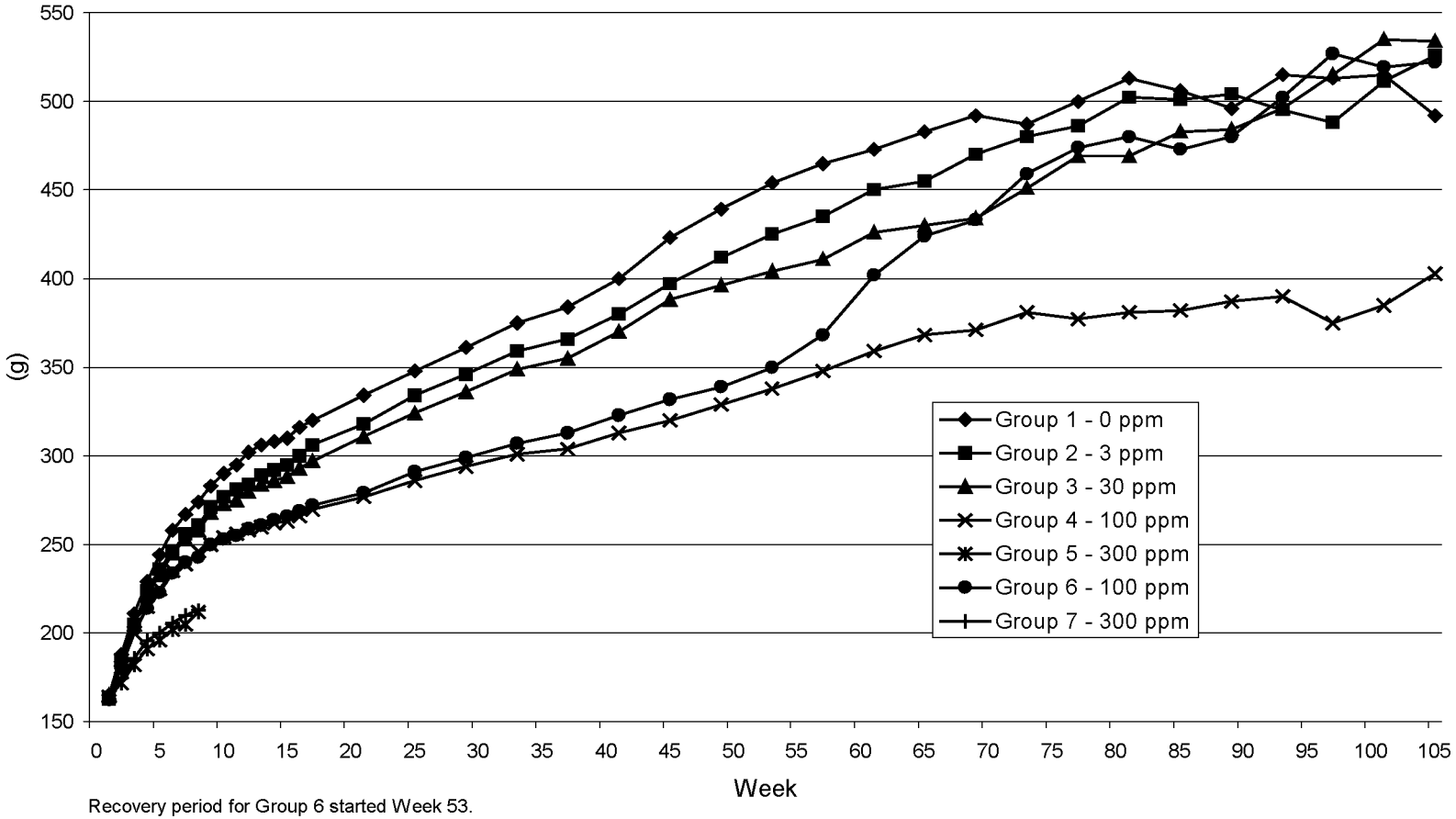


Recovery period for Group 6 started Week 53.

Figure 4

Mean Body Weight Data (g) - Females

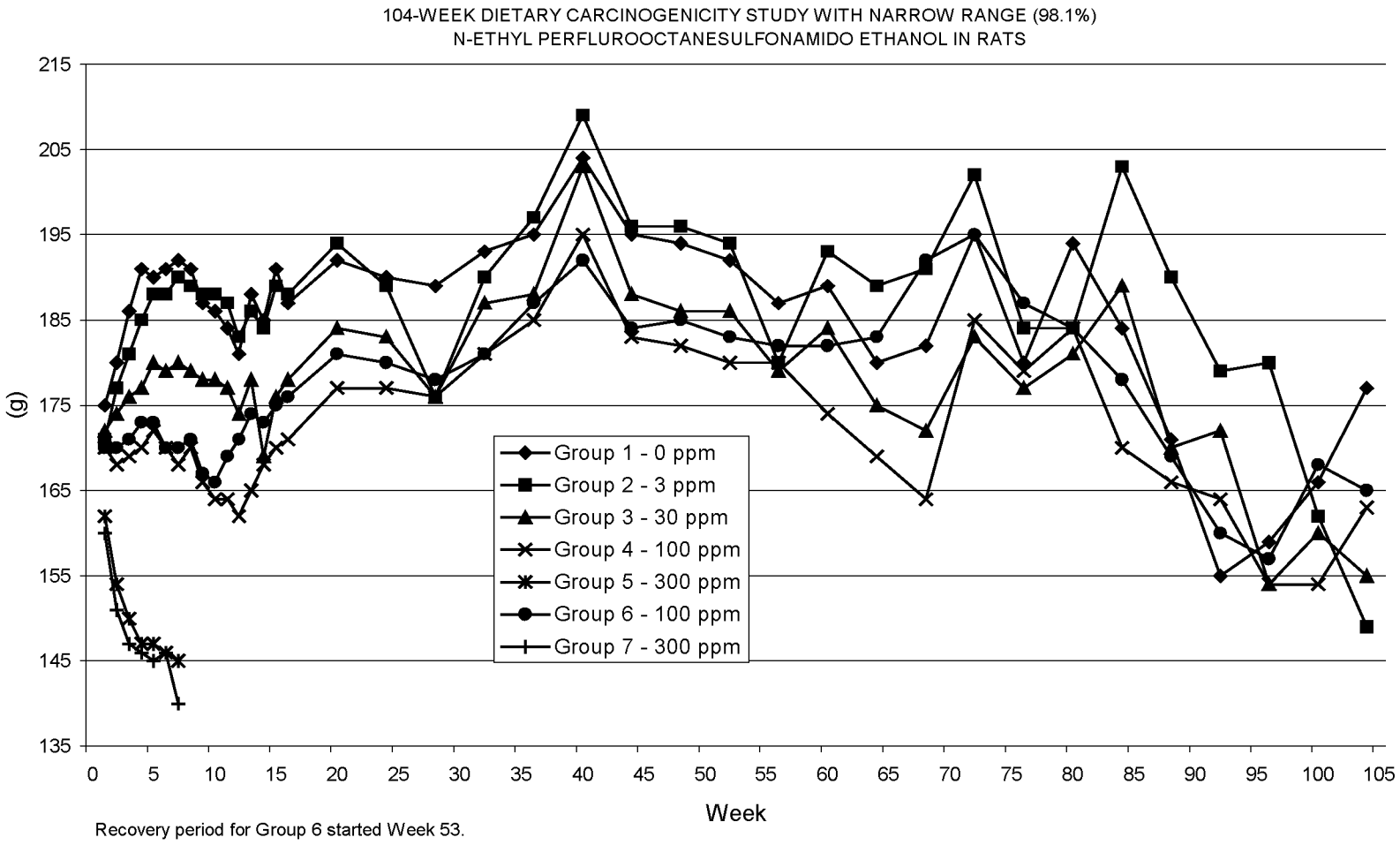
104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUROOCTANESULFONAMIDO ETHANOL IN RATS



Recovery period for Group 6 started Week 53.

Figure 5

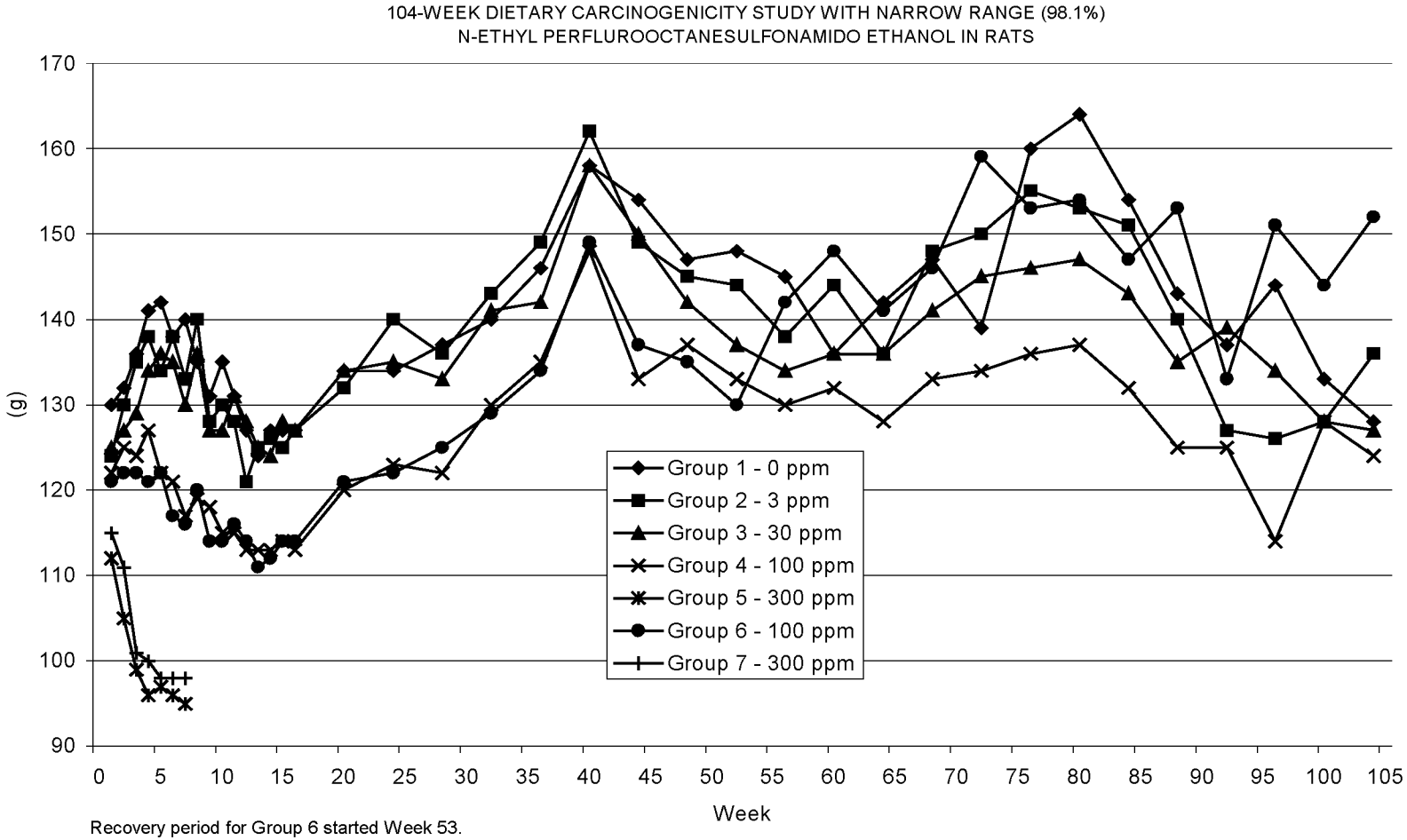
Mean Food Consumption Data (g) - Males



Recovery period for Group 6 started Week 53.

Figure 6

Mean Food Consumption Data (g) - Females



Recovery period for Group 6 started Week 53.

Table 1

Results of Homogeneity Analyses (ppm)
Mixed 9/11/97

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		T-6316 (ppm)			
Sample Location	Replicate	3	30	100	300
Top	1	6.28	38.0	95.3	322
	2	6.35	32.2	90.9	277
	3	6.24	33.7	93.5	296
	Mean	6.29 (210)[a]	34.6 (115)	93.2 (93.2)	298 (99.3)
Middle	1	5.17	33.9	102	286
	2	5.65	34.1	143	271
	3	5.89	34.9	96.8	266
	Mean	5.57 (186)	34.3 (114)	114 (114)	274 (91.3)
Bottom	1	6.61	32.9	109	325
	2	5.24	35.9	108	334
	3	5.37	32.7	99.4	278
	Mean	5.74 (191)	33.8 (113)	105 (105)	312 (104)

a Each value in parentheses is the percent of theoretical

Table 1 (Continued)

Results of Homogeneity Analyses (ppm)
Mixed 9/29/97

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		T-6316 (ppm)
Sample Location	Replicate	3
Top	1	3.98
	2	4.26
	3	30.0
	Mean	12.7 (423)[a]
Middle	1	4.00
	2	4.14
	3	3.87
	Mean	4.00 (133)
Bottom	1	4.32
	2	3.98
	3	4.20
	Mean	4.17 (139)

a Each value in parentheses is the percent of theoretical.

Table 1 (Continued)

Results of Homogeneity Analyses (ppm)
Mixed 10/15/97

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		T-6316 (ppm)
Sample Location	Replicate	3
Top	1	3.18
	2	2.99
	3	3.23
	Mean	3.13 (104)[a]
Middle	1	3.44
	2	3.19
	3	3.32
	Mean	3.32 (111)
Bottom	1	3.06
	2	3.98
	3	3.34
	Mean	3.46 (115)

a Each value in parentheses is the percent of theoretical.

Table 1 (Continued)

Results of Homogeneity Analyses (ppm)
Mixed 11/7/97

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		T-6316 (ppm)	
Sample Location	Replicate	3	300
Top	1	2.73	296
	2	3.19	305
	3	3.53	302
	Mean	3.15 (105)[a]	301 (100)
Middle	1	3.67	304
	2	2.51	300
	3	2.83	297
	Mean	3.00 (100)	300 (100)
Bottom	1	3.12	293
	2	2.91	278
	3	3.12	328
	Mean	3.05 (102)	300 (100)

a Each value in parentheses is the percent of theoretical.

Table 1 (Continued)

Results of Homogeneity Analyses (ppm)
Mixed 11/13/97

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		T-6316 (ppm)	
Sample Location	Replicate	3	300
Top	1	2.93	290
	2	2.86	314
	3	2.91	291
	Mean	2.90 (96.7)[a]	298 (99.3)
Middle	1	2.65	288
	2	2.90	302
	3	2.87	293
	Mean	2.81 (93.7)	294 (98.0)
Bottom	1	2.66	284
	2	2.84	269
	3	3.40	308
	Mean	2.97 (99.0)	287 (95.7)

a Each value in parentheses is the percent of theoretical.

Table 1 (Continued)

Results of Homogeneity Analyses (ppm)
Mixed 1/15/98

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		T-6316 (ppm)			
Sample Location	Replicate	3	30	100	300
Top	1	2.89	31.8	89.4	275
	2	2.54	27.9	93.7	278
	3	2.63	29.0	99.2	294
	Mean	2.69 (89.7)[a]	29.6 (98.7)	94.1 (94.1)	282 (94.0)
Middle	1	2.67	28.9	87.4	280
	2	2.66	29.8	82.2	300
	3	2.83	27.2	90.8	289
	Mean	2.72 (90.7)	28.6 (95.3)	86.8 (86.8)	290 (96.7)
Bottom	1	3.02	27.9	89.1	291
	2	8.49	27.0	101	283
	3	3.07	28.0	105	278
	Mean	4.86 (162)	27.6 (92.0)	98.4 (98.4)	284 (94.7)
Bottom[b]	1	3.68	-	-	-
	2	2.52	-	-	-
	3	3.19	-	-	-
	Mean	3.13 (104)	-	-	-

a Each value in parentheses is the percent of theoretical.
b Reassay.

Table 1 (Continued)

Results of Homogeneity Analyses (ppm)
Mixed 8/26/99

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		T-6316 (ppm)
Sample Location	Replicate	100
Top	1	156
	2	115
	Mean	136 (136)[a]
Middle	1	121
	2	121
	Mean	121 (121)
Bottom	1	123
	2	145
	Mean	134 (134)

a Each value in parentheses is the percent of theoretical.

Table 1 (Continued)

Results of Homogeneity Analyses (ppm)
Mixed 8/26/99 (Reanalysis)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		T-6316 (ppm)
Sample Location	Replicate	100
Top	1	76.5
	2	66.0
	Mean	71.3 (71.3)[a]
Middle	1	66.0
	2	79.4
	Mean	72.7 (72.7)
Bottom	1	63.5
	2	68.9
	Mean	66.2 (66.2)

a Each value in parentheses is the percent of theoretical.

Table 2

Results of Stability Analyses (ppm)
Mixed 9/11/97

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		T-6316 (ppm)	
Storage Conditions	Replicate	3	300
Initial	1	7.57	271
	2	4.70	292
	Mean	6.14 (205)[a]	282 (94.0)
19 days, room temperature	1	-	215
	2	-	207
	Mean	-	211 (70.3)

a Each value in parentheses is the percent of theoretical.

Table 2 (Continued)

Results of Stability Analyses (ppm)
Mixed 10/15/97

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		T-6316 (ppm)	
Storage Conditions	Replicate	3	300
Initial[a]	1	3.44	302
	2	3.19	292
	Mean	3.32 (111)[b]	297 (99.0)
19 days, room temperature	1	2.83	250
	2	3.13	270
	Mean	2.98 (99.3)	260 (86.7)
34 days, room temperature	1	2.90	266
	2	3.09	266
	Mean	3.00 (100)	266 (88.7)
8 weeks, frozen	1	3.13	275
	2	2.80	291
	Mean	2.97 (99.0)	283 (94.3)

a Results were derived from the sample collected from the middle of the dose preparations for homogeneity analysis.
b Each value in parentheses is the percent of theoretical.

Table 2 (Continued)

Results of Stability Analyses (ppm)
Mixed 9/29/97

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		T-6316 (ppm)
Storage Conditions	Replicate	3
Initial	1	4.00
	2	4.47
	Mean	4.24 (141)[a]

a Each value in parentheses is the percent of theoretical.

Table 2 (Continued)

Results of Stability Analyses (ppm)
Mixed 11/13/97

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		T-6316 (ppm)	
Storage Conditions	Replicate	3	300
5 days, room temperature 7 days, animal room conditions	1	4.16	264
	2	3.42	258
	3	3.00	267
	Mean	3.53 (118)[a]	263 (87.7)

a Each value in parentheses is the percent of theoretical.

Table 3

Results of Dose Preparation Analyses (ppm)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		T-6316 (ppm)				
Week	Replicate	0	3	30	100	300
1-3[a]	1	b	2.67	28.9	87.4	280
	2	b	2.66	29.8	82.2	300
	3	-	2.83	27.2	90.8	289
	Mean	-	2.72 (90.7)[c]	28.6 (95.3)	86.8 (86.8)	290 (96.7)
4-7	1	b	5.64	29.0	90.4	292
	2	b	3.10	27.0	97.5	301
	Mean	-	4.37 (146)	28.0 (93.3)	94.0 (94.0)	297 (99.0)
4-7[d]	1	-	2.81	-		-
	2	-	3.05	-	-	-
	Mean	-	2.93 (97.7)	-	-	-
8-11	1	b	4.53	29.9	84.3	278
	2	b	3.45	28.1	86.5	262
	Mean	-	3.99 (133)	29.0 (96.7)	85.4 (85.4)	270 (90.0)
8-11[d]	1	-	2.66	-	-	-
	2	-	3.20	-	-	-
	Mean	-	2.93 (97.7)	-	-	-
12-15	1	b	3.34	26.9	98.2	-
	2	b	2.67	35.6	99.1	-
	Mean	-	3.01 (101)	31.3 (104)	98.7 (98.7)	-

a Results for the 3-, 30-, 100-, and 300-ppm levels were derived from the sample collected from the middle of the dose preparations for homogeneity analysis.
b Below the limit of quantitation (<2.00 ppm).
c Each value in parentheses is the percent of theoretical.
d Reassay.

Table 3 (Continued)

Results of Dose Preparation Analyses (ppm)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		T-6316 (ppm)				
Week	Replicate	0	3	30	100	300
16-19	1	e	3.77	39.3	87.2	-
	2	e	3.04	31.5	93.0	-
	Mean	-	3.41 (114)[c]	35.4 (118)	90.1 (90.1)	-
16-19[d]	1	-	2.78	21.8	-	-
	2	-	2.20	44.6	-	-
	Mean	-	2.49 (83.0)	33.2 (111)	-	-
16-19[f]	1	-	2.62	26.9	-	-
	2	-	2.52	23.3	-	-
	Mean	-	2.57 (85.7)	25.1 (83.7)	-	-
20-23	1	e	2.61	27.7	101	-
	2	e	2.41	26.4	92.3	-
	Mean	-	2.51 (83.7)	27.1 (90.3)	96.7 (96.7)	-
20-23[d]	1	-	2.15	-	-	-
	2	-	2.47	-	-	-
	Mean	-	2.31 (77.0)	-	-	-
20-23[f]	1	-	2.14	-	-	-
	2	-	1.90	-	-	-
	Mean	-	2.02 (67.3)	-	-	-

c Each value in parentheses is the percent of theoretical.
d Reassay
e Below the limit of quantitation (<0.5 ppm)
f Retention.

Table 3 (Continued)

Results of Dose Preparation Analyses (ppm)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		T-6316 (ppm)				
Week	Replicate	0	3	30	100	300
24-27	1	e	2.63	24.1	83.3	-
	2	e	3.04	26.7	88.4	-
	Mean	-	2.84 (94.7)[c]	25.4 (84.7)	85.9 (85.9)	-
24-27[d]	1	-	-	25.3	-	-
	2	-	-	24.0	-	-
	Mean	-	-	24.7 (82.3)[c]	-	-
24-27[f]	1	-	-	22.4	-	-
	2	-	-	21.4	-	-
	Mean	-	-	21.9 (73.0)	-	-
28-31	1	e	2.24	26.4	87.5	-
	2	e	2.52	28.4	86.0	-
	Mean	-	2.38 (79.3)	27.4 (91.3)	86.8 (86.8)	-
28-31[d]	1	-	3.20	-	-	-
	2	-	2.60	-	-	-
	Mean	-	2.90 (96.7)	-	-	-
28-31[f]	1	-	3.20	-	-	-
	2	-	2.73	-	-	-
	Mean	-	2.97 (99.0)	-	-	-
32-35	1	e	2.92	28.2	83.4	-
	2	e	2.46	29.7	85.9	-
	Mean	-	2.69 (89.7)	29.0 (96.7)	84.7 (84.7)	-

c Each value in parentheses is the percent of theoretical.
d Reassay.
e Below the limit of quantitation (<0.5 ppm)
f Retention.

Table 3 (Continued)

Results of Dose Preparation Analyses (ppm)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		T-6316 (ppm)				
Week	Replicate	0	3	30	100	300
36-39	1	e	3.36	24.9	91.4	-
	2	e	2.58	22.7	87.2	-
	Mean	-	2.97 (99.0)[c]	23.8 (79.3)	89.3 (89.3)	-
36-39[d]	1	-	2.53	23.0	-	-
	2	-	2.51	22.8	-	-
	Mean	-	2.52 (84.0)	22.9 (76.3)	-	-
36-39[f]	1	-	2.82	27.0	-	-
	2	-	2.68	29.6	-	-
	Mean	-	2.75 (91.7)	28.3 (94.3)	-	-
40-43	1	e	3.01	28.9	95.5	-
	2	e	5.26	28.3	99.5	-
	Mean	-	4.14 (138)	28.6 (95.3)	97.5 (97.5)	-
40-43[d]	1	-	2.73	-	-	-
	2	-	2.71	-	-	-
	Mean	-	2.72 (90.7)	-	-	-
44-47	1	e	3.97	29.3	84.4	-
	2	e	2.77	27.9	95.8	-
	Mean	-	3.37 (112)	28.6 (95.3)	90.1 (90.1)	-
44-47[d]	1	-	2.93	-	64.0	-
	2	-	2.04	-	59.6	-
	Mean	-	2.49 (83.0)	-	61.8 (61.8)	-

c Each value in parentheses is the percent of theoretical.
d Reassay.
e Below the limit of quantitation (<0.5 ppm).
f Retention.

Table 3 (Continued)

Results of Dose Preparation Analyses (ppm)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		T-6316 (ppm)				
Week	Replicate	0	3	30	100	300
44-47[f]	1	-	5.30	-	60.4	-
	2	-	2.75	-	58.4	-
	Mean	-	4.03 (134)[c]	-	64.4 (64.4)	-
48-51	1	e	2.67	30.2	97.8	-
	2	e	2.59	29.0	94.7	-
	Mean	-	2.63 (87.7)	29.6 (98.7)	96.3 (96.3)	-
52-55	1	e	3.22	25.2	92.5	-
	2	e	3.45	24.0	97.6	-
	Mean	-	3.34 (111)	24.6 (82.0)	95.1 (95.1)	-
52-55[d]	1	-	-	20.4	-	-
	2	-	-	21.0	-	-
	Mean	-	-	20.7 (69.0)	-	-
52-55[f]	1	-	-	19.0	-	-
	2	-	-	21.5	-	-
	Mean	-	-	20.3 (67.7)	-	-
52-55[g]	1	-	-	-	88.4	-
	2	-	-	-	84.5	-
	Mean	-	-	-	86.5 (86.5)	-

c Each value in parentheses is the percent of theoretical.
d Reassay.
e Below the limit of quantitation (<0.5 ppm).
f Retention.
g Additional mix.

Table 3 (Continued)

Results of Dose Preparation Analyses (ppm)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		T-6316 (ppm)				
Week	Replicate	0	3	30	100	300
56-59	1	e	3.16	49.3	114	-
	2	e	2.43	49.0	90.6	-
	Mean	-	2.80 (93.3)[c]	49.2 (164)	102 (102)	-
56-59[d]	1	-	1.71	16.0	56.0	-
	2	-	1.70	15.6	58.2	-
	Mean	-	1.71 (57.0)	15.8 (52.7)	57.1 (57.1)	-
56-59[f]	1	-	1.75	18.6	56.8	-
	2	-	1.72	17.8	54.4	-
	Mean	-	1.74 (58.0)	18.2 (60.7)	55.6 (55.6)	-
60-63	1	e	2.46	28.2	87.6	-
	2	e	2.56	26.4	83.2	-
	Mean	-	2.51 (83.7)	27.3 (91.0)	85.4 (85.4)	-
60-63[d]	1	-	2.48	-	-	-
	2	-	2.38	-	-	-
	Mean	-	2.43 (81.0)	-	-	-
60-63[f]	1	-	34.8	-	-	-
	2	-	3.85	-	-	-
	Mean	-	19.3 (643)	-	-	-
64-67	1	e	2.45	17.7	73.7	-
	2	e	1.97	28.0	73.4	-
	Mean	-	2.21 (73.7)	22.9 (76.3)	73.6 (73.6)	-

c Each value in parentheses is the percent of theoretical.
d Reassay.
e Below the limit of quantitation (<0.5 ppm).
f Retention.

Table 3 (Continued)

Results of Dose Preparation Analyses (ppm)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		T-6316 (ppm)				
Week	Replicate	0	3	30	100	300
64-67[d]	1	-	1.59	20.1	63.6	-
	2	-	1.58	18.4	66.2	-
	Mean	-	1.59(53.0)[c]	19.3 (64.3)	64.9 (64.9)	-
64-67[f]	1	-	1.46	14.9	55.8	-
	2	-	3.04	13.6	64.4	-
	Mean	-	2.25 (75.0)	14.3 (47.7)	60.1 (60.1)	-
68-71	1	e	2.51	25.3	82.5	-
	2	e	2.18	24.2	82.3	-
	Mean	-	2.35 (78.3)[c]	24.8 (82.7)	82.4 (82.4)	-
68-71[d]	1	-	2.12	24.3	80.2	-
	2	-	2.23	20.6	84.1	-
	Mean	-	2.18 (72.7)	22.5 (75.0)	82.2 (82.2)	-
68-71[f]	1	-	2.31	20.7	61.6	-
	2	-	6.00	24.5	62.1	-
	Mean	-	4.16 (139)	22.6 (75.3)	61.9 (61.9)	-
72-75	1	1.11	2.63	24.0	86.9	-
	2	0.623	1.98	28.5	80.8	-
	Mean	0.867	2.31 (77.0)	26.3 (87.7)	83.9 (83.9)	-

c Each value in parentheses is the percent of theoretical.
d Reassay.
e Below the limit of quantitation (<0.5 ppm)
f Retention.

Table 3 (Continued)

Results of Dose Preparation Analyses (ppm)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		T-6316 (ppm)				
Week	Replicate	0	3	30	100	300
72-75[d]	1	e	2.02	22.4	89.0	-
	2	e	2.25	21.7	85.8	-
	Mean	-	2.14 (71.3)[c]	22.1 (73.7)	87.4 (87.4)	-
72-75[f]	1	e	2.18	21.4	-	-
	2	e	1.96	20.2	-	-
	Mean	-	2.07 (69.0)	20.8 (69.3)	-	-
76-79	1	e	2.69	25.8	82.0	-
	2	e	2.42	30.6	93.8	-
	Mean	-	2.56 (85.3)	28.2 (94.0)	87.9 (87.9)	-
76-79[d]	1	e	-	23.1	-	-
	2	e	-	23.4	-	-
	Mean	-	-	23.3 (77.7)	-	-
80-83	1	e	2.35	27.2	92.8	-
	2	e	2.60	24.0	86.0	-
	Mean	-	2.48 (82.7)	25.6 (85.3)	89.4 (89.4)	-
84-87	1	e	3.67	35.1	121	-
	2	e	3.86	44.7	121	-
	Mean	-	3.77 (126)	39.9 (133)	121 (121)	-

c Each value in parentheses is the percent of theoretical.
d Reassay.
e Below the limit of quantitation (<0.5 ppm)
f Retention.

Table 3 (Continued)

Results of Dose Preparation Analyses (ppm)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		T-6316 (ppm)				
Week	Replicate	0	3	30	100	300
88-91	1	e	2.55	32.4	94.2	-
	2	e	2.49	28.2	92.4	-
	Mean	-	2.52 (84.0)[c]	30.3 (101)	93.3 (93.3)	-
96-99	1	e	2.38	34.9	97.4	-
	2	e	2.44	29.7	88.8	-
	Mean	-	2.41 (80.3)	32.3 (108)	93.1 (93.1)	-
100-103	1	e	2.31	36.1	75.3	-
	2	e	3.41	25.5	90.0	-
	Mean	-	2.86 (95.3)	30.8 (103)	82.7 (82.7)	-
100-103[d]	1	-	1.09	68.9	59.7	-
	2	-	0.914	25.6	61.0	-
	Mean	-	1.00 (33.3)	47.3 (158)	60.4 (60.4)	-
104-105	1	e	4.30	26.1	91.1	-
	2	e	2.26	28.1	95.7	-
	Mean	-	3.28 (109)	27.1 (90.3)	93.4 (93.4)	-
104-105[d]	1	-	1.89	-	-	-
	2	-	1.88	-	-	-
	Mean	-	1.89 (63.0)	-	-	-
104-105[d]	1	-	1.79	-	-	-
	2	-	1.82	-	-	-
	Mean	-	1.81 (60.3)	-	-	-

c Each value in parentheses is the percent of theoretical.
d Reassay.
e Below the limit of quantitation (<0.5 ppm).
f Retention.

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

GROUP AND DOSE LEVEL (PPM)	WEEK: START	1	2	3	4	5	6	7	8	9	10	11
					MALE							
1												
0	70/70	70/70	70/70	70/70	65/65	65/65	65/65	65/65	60/60	60/60	60/60	60/60
	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
2												
3	60/60	60/60	60/60	60/60	55/55	55/55	55/55	55/55	54/55	54/55	54/55	54/55
	100%	100%	100%	100%	100%	100%	100%	100%	98%	98%	98%	98%
3												
30	60/60	60/60	60/60	60/60	55/55	55/55	55/55	55/55	55/55	55/55	55/55	55/55
	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
4												
100	70/70	70/70	70/70	70/70	65/65	65/65	65/65	65/65	65/65	65/65	65/65	65/65
	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
5												
300	70/70	70/70	70/70	70/70	65/65	65/65	65/65	63/65	0	0	0	0
	100%	100%	100%	100%	100%	100%	100%	97%	0%	0%	0%	0%
6												
100	40/40	40/40	40/40	40/40	40/40	40/40	40/40	39/40	39/40	39/40	39/40	39/40
	100%	100%	100%	100%	100%	100%	100%	98%	98%	98%	98%	98%
7												
300	40/40	40/40	40/40	40/40	40/40	40/40	39/40	39/40	0	0	0	0
	100%	100%	100%	100%	100%	100%	98%	98%	0%	0%	0%	0%

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

GROUP AND DOSE LEVEL (PPM)	WEEK:	12	13	14	15	16	17	18	19	20	21	22	23
						MALE							
1													
0		60/60	60/60	55/55	55/55	55/55	55/55	55/55	55/55	55/55	55/55	55/55	55/55
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
2													
3		54/55	54/55	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50
		98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%
3													
30		55/55	55/55	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
4													
100		65/65	64/65	59/60	59/60	59/60	59/60	59/60	59/60	59/60	59/60	59/60	59/60
		100%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%
5													
300		0	0	0	0	0	0	0	0	0	0	0	0
		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
6													
100		38/40	38/40	38/40	38/40	38/40	38/40	38/40	38/40	38/40	38/40	38/40	38/40
		95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
7													
300		0	0	0	0	0	0	0	0	0	0	0	0
		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

GROUP AND DOSE LEVEL (PPM)	WEEK:	24	25	26	27	28	29	30	31	32	33	34	35
						MALE							
1													
0		55/55	55/55	55/55	55/55	55/55	55/55	55/55	55/55	55/55	55/55	55/55	55/55
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
2													
3		49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	48/50
		98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	96%
3													
30		50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
4													
100		59/60	59/60	59/60	59/60	59/60	59/60	59/60	59/60	59/60	59/60	59/60	59/60
		98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%
5													
300		0	0	0	0	0	0	0	0	0	0	0	0
		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
6													
100		38/40	38/40	38/40	38/40	38/40	38/40	38/40	38/40	38/40	38/40	38/40	38/40
		95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
7													
300		0	0	0	0	0	0	0	0	0	0	0	0
		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

GROUP AND DOSE LEVEL (PPM)	WEEK:	36	37	38	39	40	41	42	43	44	45	46	47
						MALE							
1													
0		55/55	55/55	55/55	55/55	55/55	55/55	55/55	55/55	54/55	54/55	54/55	54/55
		100%	100%	100%	100%	100%	100%	100%	100%	98%	98%	98%	98%
2													
3		48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50
		96%	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%
3													
30		50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
4													
100		59/60	59/60	59/60	59/60	59/60	59/60	59/60	59/60	59/60	58/60	58/60	58/60
		98%	98%	98%	98%	98%	98%	98%	98%	98%	97%	97%	97%
5													
300		0	0	0	0	0	0	0	0	0	0	0	0
		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
6													
100		38/40	38/40	38/40	38/40	38/40	38/40	38/40	37/40	37/40	37/40	37/40	37/40
		95%	95%	95%	95%	95%	95%	95%	93%	93%	93%	93%	93%
7													
300		0	0	0	0	0	0	0	0	0	0	0	0
		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

GROUP AND DOSE LEVEL (PPM)	WEEK: 48	49	50	51	52	53	54	55	56	57	58	59
					MALE							
1												
0	54/55	54/55	54/55	54/55	54/55	49/50	49/50	49/50	49/50	49/50	49/50	49/50
	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%
2												
3	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	47/50	46/50	45/50
	96%	96%	96%	96%	96%	96%	96%	96%	96%	94%	92%	90%
3												
30	50/50	50/50	50/50	50/50	50/50	49/50	49/50	49/50	48/50	48/50	48/50	48/50
	100%	100%	100%	100%	100%	98%	98%	98%	96%	96%	96%	96%
4												
100	58/60	58/60	58/60	58/60	58/60	48/50	48/50	48/50	48/50	48/50	48/50	47/50
	97%	97%	97%	97%	97%	96%	96%	96%	96%	96%	96%	94%
5												
300	0	0	0	0	0	0	0	0	0	0	0	0
	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
6												
100	37/40	37/40	37/40	36/40	36/40	36/40	36/40	36/40	36/40	36/40	36/40	36/40
	93%	93%	93%	90%	90%	90%	90%	90%	90%	90%	90%	90%
7												
300	0	0	0	0	0	0	0	0	0	0	0	0
	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

GROUP AND DOSE LEVEL (PPM)	WEEK:	60	61	62	63	64	65	66	67	68	69	70	71
						MALE							
1													
0		49/50	48/50	47/50	46/50	46/50	45/50	44/50	44/50	44/50	43/50	42/50	42/50
		98%	96%	94%	92%	92%	90%	88%	88%	88%	86%	84%	84%
2													
3		45/50	44/50	44/50	44/50	44/50	44/50	44/50	44/50	43/50	43/50	42/50	41/50
		90%	88%	88%	88%	88%	88%	88%	88%	86%	86%	84%	82%
3													
30		48/50	48/50	47/50	47/50	47/50	47/50	47/50	46/50	46/50	43/50	43/50	42/50
		96%	96%	94%	94%	94%	94%	94%	92%	92%	86%	86%	84%
4													
100		47/50	47/50	47/50	47/50	45/50	45/50	45/50	45/50	45/50	42/50	42/50	41/50
		94%	94%	94%	94%	90%	90%	90%	90%	90%	84%	84%	82%
5													
300		0	0	0	0	0	0	0	0	0	0	0	0
		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
6													
100		36/40	35/40	35/40	35/40	34/40	34/40	34/40	34/40	33/40	33/40	33/40	33/40
		90%	88%	88%	88%	85%	85%	85%	85%	83%	83%	83%	83%
7													
300		0	0	0	0	0	0	0	0	0	0	0	0
		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

GROUP AND DOSE LEVEL (PPM)	WEEK: 72	73	74	75	76	77	78	79	80	81	82	83
					MALE							
1												
0	40/50	40/50	40/50	40/50	40/50	39/50	39/50	37/50	36/50	36/50	36/50	36/50
	80%	80%	80%	80%	80%	78%	78%	74%	72%	72%	72%	72%
2												
3	41/50	41/50	40/50	40/50	40/50	39/50	38/50	38/50	37/50	34/50	34/50	33/50
	82%	82%	80%	80%	80%	78%	76%	76%	74%	68%	68%	66%
3												
30	41/50	39/50	39/50	39/50	38/50	37/50	36/50	35/50	34/50	32/50	32/50	32/50
	82%	78%	78%	78%	76%	74%	72%	70%	68%	64%	64%	64%
4												
100	41/50	40/50	38/50	38/50	38/50	38/50	37/50	36/50	36/50	36/50	35/50	35/50
	82%	80%	76%	76%	76%	76%	74%	72%	72%	72%	70%	70%
5												
300	0	0	0	0	0	0	0	0	0	0	0	0
	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
6												
100	33/40	32/40	32/40	32/40	32/40	32/40	31/40	31/40	30/40	30/40	29/40	26/40
	83%	80%	80%	80%	80%	80%	78%	78%	75%	75%	73%	65%
7												
300	0	0	0	0	0	0	0	0	0	0	0	0
	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

GROUP AND DOSE LEVEL (PPM)	WEEK:	84	85	86	87	88	89	90	91	92	93	94	95
						MALE							
1													
0		35/50	34/50	33/50	31/50	30/50	29/50	29/50	29/50	28/50	24/50	23/50	22/50
		70%	68%	66%	62%	60%	58%	58%	58%	56%	48%	46%	44%
2													
3		33/50	33/50	32/50	32/50	32/50	32/50	32/50	32/50	30/50	28/50	27/50	27/50
		66%	66%	64%	64%	64%	64%	64%	64%	60%	56%	54%	54%
3													
30		32/50	32/50	32/50	32/50	32/50	32/50	32/50	29/50	29/50	29/50	28/50	27/50
		64%	64%	64%	64%	64%	64%	64%	58%	58%	58%	56%	54%
4													
100		35/50	34/50	32/50	32/50	31/50	31/50	30/50	30/50	29/50	28/50	27/50	27/50
		70%	68%	64%	64%	62%	62%	60%	60%	58%	56%	54%	54%
5													
300		0	0	0	0	0	0	0	0	0	0	0	0
		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
6													
100		24/40	22/40	21/40	21/40	21/40	20/40	19/40	19/40	19/40	16/40	16/40	16/40
		60%	55%	53%	53%	53%	50%	48%	48%	48%	40%	40%	40%
7													
300		0	0	0	0	0	0	0	0	0	0	0	0
		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

GROUP AND DOSE LEVEL (PPM)	WEEK: 96	97	98	99	100	101	102	103	104
					MALE				
1									
0	21/50	20/50	19/50	18/50	15/50	15/50	14/50	14/50	14/50
	42%	40%	38%	36%	30%	30%	28%	28%	28%
2									
3	27/50	27/50	25/50	24/50	23/50	22/50	22/50	22/50	22/50
	54%	54%	50%	48%	46%	44%	44%	44%	44%
3									
30	27/50	26/50	25/50	24/50	24/50	24/50	24/50	23/50	22/50
	54%	52%	50%	48%	48%	48%	48%	46%	44%
4									
100	26/50	26/50	25/50	25/50	23/50	21/50	20/50	18/50	17/50
	52%	52%	50%	50%	46%	42%	40%	36%	34%
5									
300	0	0	0	0	0	0	0	0	0
	0%	0%	0%	0%	0%	0%	0%	0%	0%
6									
100	16/40	15/40	14/40	14/40	12/40	12/40	11/40	10/40	10/40
	40%	38%	35%	35%	30%	30%	27%	25%	25%
7									
300	0	0	0	0	0	0	0	0	0
	0%	0%	0%	0%	0%	0%	0%	0%	0%

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

GROUP AND DOSE LEVEL (PPM)	WEEK: START	1	2	3	4	5	6	7	8	9	10	11
					FEMALE							
1												
0	70/70	70/70	70/70	70/70	65/65	65/65	65/65	65/65	60/60	60/60	60/60	60/60
	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
2												
3	60/60	60/60	60/60	60/60	55/55	55/55	55/55	55/55	55/55	55/55	55/55	55/55
	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
3												
30	60/60	60/60	60/60	60/60	55/55	55/55	55/55	55/55	55/55	55/55	55/55	55/55
	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
4												
100	70/70	70/70	70/70	70/70	65/65	65/65	65/65	65/65	65/65	65/65	65/65	65/65
	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
5												
300	70/70	70/70	70/70	70/70	65/65	65/65	65/65	65/65	0	0	0	0
	100%	100%	100%	100%	100%	100%	100%	100%	0%	0%	0%	0%
6												
100	40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40
	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
7												
300	40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40	0	0	0	0
	100%	100%	100%	100%	100%	100%	100%	100%	0%	0%	0%	0%

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

GROUP AND DOSE LEVEL (PPM)	WEEK:	12	13	14	15	16	17	18	19	20	21	22	23
						FEMALE							
1													
0		60/60	60/60	55/55	55/55	55/55	55/55	55/55	55/55	55/55	55/55	55/55	55/55
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
2													
3		55/55	55/55	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
3													
30		55/55	55/55	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
4													
100		65/65	65/65	60/60	59/59	59/59	59/59	59/59	59/59	59/59	59/59	58/59	58/59
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	98%	98%
5													
300		0	0	0	0	0	0	0	0	0	0	0	0
		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
6													
100		40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
7													
300		0	0	0	0	0	0	0	0	0	0	0	0
		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

GROUP AND DOSE LEVEL (PPM)	WEEK:	24	25	26	27	28	29	30	31	32	33	34	35
						FEMALE							
1													
0		55/55	55/55	55/55	55/55	55/55	55/55	55/55	55/55	55/55	55/55	55/55	55/55
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
2													
3		50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
3													
30		50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
4													
100		58/59	58/59	58/59	58/59	58/59	58/59	58/59	58/59	58/59	58/59	58/59	58/59
		98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%
5													
300		0	0	0	0	0	0	0	0	0	0	0	0
		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
6													
100		40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
7													
300		0	0	0	0	0	0	0	0	0	0	0	0
		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

GROUP AND DOSE LEVEL (PPM)	WEEK:	36	37	38	39	40	41	42	43	44	45	46	47
						FEMALE							
1													
0		55/55	55/55	55/55	55/55	55/55	55/55	55/55	55/55	55/55	55/55	55/55	54/55
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	98%
2													
3		50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
3													
30		50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
4													
100		58/59	58/59	58/59	58/59	58/59	58/59	58/59	58/59	58/59	58/59	58/59	58/59
		98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%
5													
300		0	0	0	0	0	0	0	0	0	0	0	0
		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
6													
100		40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
7													
300		0	0	0	0	0	0	0	0	0	0	0	0
		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

GROUP AND DOSE LEVEL (PPM)	WEEK:	48	49	50	51	52	53	54	55	56	57	58	59
						FEMALE							
1													
0		54/55	54/55	54/55	54/55	54/55	49/50	49/50	49/50	49/50	49/50	48/50	48/50
		98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	96%	96%
2													
3		50/50	50/50	50/50	50/50	50/50	50/50	49/50	49/50	49/50	49/50	48/50	48/50
		100%	100%	100%	100%	100%	100%	98%	98%	98%	98%	96%	96%
3													
30		50/50	50/50	50/50	50/50	50/50	49/50	49/50	49/50	49/50	49/50	49/50	47/50
		100%	100%	100%	100%	100%	98%	98%	98%	98%	98%	98%	94%
4													
100		58/59	58/59	58/59	58/59	58/59	48/49	48/49	48/49	48/49	48/49	48/49	47/49
		98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	96%
5													
300		0	0	0	0	0	0	0	0	0	0	0	0
		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
6													
100		40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
7													
300		0	0	0	0	0	0	0	0	0	0	0	0
		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

GROUP AND DOSE LEVEL (PPM)	WEEK:	60	61	62	63	64	65	66	67	68	69	70	71
						FEMALE							
1													
0		48/50	47/50	46/50	46/50	45/50	45/50	45/50	44/50	44/50	44/50	44/50	44/50
		96%	94%	92%	92%	90%	90%	90%	88%	88%	88%	88%	88%
2													
3		48/50	47/50	47/50	47/50	47/50	47/50	46/50	44/50	42/50	42/50	42/50	42/50
		96%	94%	94%	94%	94%	94%	92%	88%	84%	84%	84%	84%
3													
30		47/50	47/50	47/50	46/50	46/50	46/50	46/50	44/50	44/50	42/50	41/50	41/50
		94%	94%	94%	92%	92%	92%	92%	88%	88%	84%	82%	82%
4													
100		47/49	47/49	47/49	46/49	45/49	45/49	45/49	45/49	45/49	44/49	43/49	42/49
		96%	96%	96%	94%	92%	92%	92%	92%	92%	90%	88%	86%
5													
300		0	0	0	0	0	0	0	0	0	0	0	0
		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
6													
100		40/40	40/40	39/40	38/40	37/40	37/40	37/40	37/40	37/40	36/40	36/40	35/40
		100%	100%	98%	95%	93%	93%	93%	93%	93%	90%	90%	88%
7													
300		0	0	0	0	0	0	0	0	0	0	0	0
		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

GROUP AND DOSE LEVEL (PPM)	WEEK:	72	73	74	75	76	77	78	79	80	81	82	83
						FEMALE							
1													
0		44/50	42/50	41/50	37/50	36/50	34/50	33/50	33/50	32/50	31/50	31/50	31/50
		88%	84%	82%	74%	72%	68%	66%	66%	64%	62%	62%	62%
2													
3		42/50	40/50	40/50	36/50	35/50	34/50	34/50	33/50	33/50	33/50	33/50	32/50
		84%	80%	80%	72%	70%	68%	68%	66%	66%	66%	66%	64%
3													
30		38/50	36/50	34/50	34/50	34/50	34/50	34/50	34/50	34/50	33/50	33/50	30/50
		76%	72%	68%	68%	68%	68%	68%	68%	68%	66%	66%	60%
4													
100		41/49	41/49	39/49	38/49	38/49	38/49	36/49	35/49	35/49	35/49	35/49	34/49
		84%	84%	80%	78%	78%	78%	73%	71%	71%	71%	71%	69%
5													
300		0	0	0	0	0	0	0	0	0	0	0	0
		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
6													
100		34/40	33/40	31/40	31/40	31/40	30/40	30/40	30/40	29/40	28/40	28/40	26/40
		85%	83%	78%	78%	78%	75%	75%	75%	73%	70%	70%	65%
7													
300		0	0	0	0	0	0	0	0	0	0	0	0
		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

GROUP AND DOSE LEVEL (PPM)	WEEK:	84	85	86	87	88	89	90	91	92	93	94	95
						FEMALE							
1													
0		30/50	30/50	29/50	29/50	27/50	25/50	23/50	22/50	22/50	21/50	19/50	18/50
		60%	60%	58%	58%	54%	50%	46%	44%	44%	42%	38%	36%
2													
3		31/50	30/50	29/50	27/50	26/50	26/50	26/50	25/50	24/50	24/50	22/50	22/50
		62%	60%	58%	54%	52%	52%	52%	50%	48%	48%	44%	44%
3													
30		30/50	30/50	28/50	27/50	27/50	26/50	26/50	25/50	25/50	24/50	22/50	22/50
		60%	60%	56%	54%	54%	52%	52%	50%	50%	48%	44%	44%
4													
100		34/49	33/49	31/49	30/49	29/49	29/49	29/49	29/49	29/49	28/49	27/49	27/49
		69%	67%	63%	61%	59%	59%	59%	59%	59%	57%	55%	55%
5													
300		0	0	0	0	0	0	0	0	0	0	0	0
		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
6													
100		26/40	25/40	23/40	22/40	22/40	22/40	21/40	21/40	20/40	17/40	17/40	17/40
		65%	63%	58%	55%	55%	55%	53%	53%	50%	43%	43%	43%
7													
300		0	0	0	0	0	0	0	0	0	0	0	0
		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

GROUP AND DOSE LEVEL (PPM)	WEEK: 96	97	98	99	100	101	102	103	104
					FEMALE				
1									
0	17/50	17/50	15/50	15/50	15/50	15/50	15/50	13/50	13/50
	34%	34%	30%	30%	30%	30%	30%	26%	26%
2									
3	21/50	17/50	16/50	15/50	14/50	14/50	14/50	14/50	13/50
	42%	34%	32%	30%	28%	28%	28%	28%	26%
3									
30	22/50	20/50	19/50	18/50	17/50	17/50	17/50	16/50	15/50
	44%	40%	38%	36%	34%	34%	34%	32%	30%
4									
100	27/49	25/49	23/49	23/49	23/49	21/49	21/49	19/49	19/49
	55%	51%	47%	47%	47%	43%	43%	39%	39%
5									
300	0	0	0	0	0	0	0	0	0
	0%	0%	0%	0%	0%	0%	0%	0%	0%
6									
100	15/40	14/40	13/40	13/40	12/40	12/40	12/40	12/40	12/40
	38%	35%	33%	33%	30%	30%	30%	30%	30%
7									
300	0	0	0	0	0	0	0	0	0
	0%	0%	0%	0%	0%	0%	0%	0%	0%

Table 5

Summary of Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

NUMBER OF ANIMALS AFFECTED

DAYS 1-732

SEX:	MALE						
GROUP:	1	2	3	4	5	6	7
CATEGORY / DOSE:	0	3	30	100	300	100	300
KEYWORD / QUALIFIER / NUMBER:	70	60	60	70	70	40	40
*** TOP OF LIST ***							
APPEARANCE							
BENT TAIL	0	0	0	0	0	0	0
CONVULSIONS	0	0	0	1	2	1	0
DEHYDRATED	0	0	0	0	0	0	1
HEAD TILT							
LEFT	0	0	0	2	0	1	0
RIGHT	1	0	1	0	0	4	0
HUNCHED	9	6	7	13	0	4	0
LIMITED USE							
LIMB-HIND-RIGHT	1	0	0	0	0	1	0
LIMBS-FRONT	1	0	0	0	0	0	0
LIMBS-HIND	3	0	0	1	0	0	0
PAW-HIND-LEFT	0	0	0	0	0	0	0
PAW-HIND-RIGHT	1	0	0	0	0	0	0
PAWS-FRONT	0	0	0	1	0	0	0
PAWS-HIND	1	0	0	0	0	0	0
MALOCCLUSION	5	5	9	23	2	9	2
MISSING							
TAIL-PROXIMAL	0	0	0	0	0	0	0
TEETH	1	1	1	4	0	1	0
OBESE	0	1	0	0	0	0	0
PARALYSIS							
LIMB-FRONT-LEFT	0	0	0	1	0	1	0
LIMBS-HIND	0	1	1	0	0	0	0
PROLAPSED							
VAGINA	0	0	0	0	0	0	0

Table 5

Summary of Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

NUMBER OF ANIMALS AFFECTED

DAYS 1-732

SEX:	MALE						
GROUP:	1	2	3	4	5	6	7
CATEGORY / DOSE:	0	3	30	100	300	100	300
KEYWORD / QUALIFIER / NUMBER:	70	60	60	70	70	40	40
APPEARANCE							
PROTRUDING PENIS	2	1	2	1	0	0	0
SWOLLEN							
DORSAL-CERVICAL	1	0	0	0	0	0	0
INGUINAL REGION-LEFT	0	0	0	0	0	0	0
INGUINAL REGION-RIGHT	0	0	0	0	0	0	0
LIMB-HIND-LEFT	2	1	0	0	0	0	0
LIMB-HIND-RIGHT	0	1	0	0	0	0	0
LIMBS-HIND	1	0	0	0	0	0	0
MOUTH	0	0	0	1	0	3	0
NOSE	0	1	0	0	0	0	0
PAW-FRONT-LEFT	0	0	0	0	0	0	0
PAW-HIND-LEFT	3	4	0	1	0	2	0
PAW-HIND-RIGHT	1	0	1	0	0	1	0
PAWS-FRONT	0	0	0	1	0	0	0
PAWS-HIND	1	2	1	1	0	0	0
TAIL-PROXIMAL	0	0	0	1	0	0	0
VENTRAL-ABDOMINAL	0	0	0	0	0	1	0
VENTRAL-CERVICAL	1	0	0	0	0	0	0
THIN	18	15	15	20	1	11	1
EXCESSIVE BLEEDING FROM PAWHR, CAUTERIZED WITH SILVER NITRATE	1	0	0	0	0	0	0
BEHAVIOR							
ATAXIC	1	0	2	5	0	1	0
CIRCLING							
LEFT	0	0	0	0	0	0	0

Table 5

Summary of Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

NUMBER OF ANIMALS AFFECTED

DAYS 1-732

SEX:	MALE						
GROUP:	1	2	3	4	5	6	7
CATEGORY / DOSE:	0	3	30	100	300	100	300
KEYWORD / QUALIFIER / NUMBER:	70	60	60	70	70	40	40
BEHAVIOR							
CIRCLING							
RIGHT	0	0	0	0	0	0	0
HYPOACTIVE	15	8	11	15	1	8	1
RECUMBENT							
LATERAL	5	3	2	2	0	1	0
STERNAL	2	2	2	1	0	2	0
SENSITIVE TO TOUCH	2	4	2	1	0	3	0
VOCALIZATION	0	0	0	0	1	0	0
DISCHARGE							
GENITAL							
RED IN COLOR	1	2	1	2	0	4	0
MUCOID	0	0	0	0	0	0	0
ORAL							
RED IN COLOR	2	1	0	2	0	0	1
CLEAR	0	1	0	0	0	1	0
NASAL							
RED IN COLOR	3	3	3	7	1	4	0
UNKNOWN							
RED IN COLOR	0	0	0	0	1	0	0
EXCRETION							
DISCOLORED URINE							
RED IN COLOR	1	0	0	1	0	0	0
ORANGE IN COLOR	1	0	0	0	0	0	0

Table 5

Summary of Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

NUMBER OF ANIMALS AFFECTED

DAYS 1-732

SEX:	MALE						
GROUP:	1	2	3	4	5	6	7
CATEGORY / DOSE:	0	3	30	100	300	100	300
KEYWORD / QUALIFIER / NUMBER:	70	60	60	70	70	40	40
EXCRETION							
FEW FECES	16	16	15	14	0	14	1
LIQUID FECES	0	0	0	0	0	1	0
NO FECES	10	4	9	9	0	5	0
NONFORMED FECES	9	10	8	6	0	2	0
EYES							
CLEAR DISCHARGE							
EYE-LEFT	1	0	0	0	0	0	0
EYE-RIGHT	0	0	0	0	0	0	0
EYES	1	0	0	0	0	0	0
CLOUDY DISCHARGE							
EYE-RIGHT	0	0	0	0	0	0	0
DISCOLORED/DARK RED							
EYE-LEFT	0	0	0	0	0	0	0
DILATED PUPIL							
EYES	0	1	0	0	0	0	0
DISCOLORED/LIGHT RED							
EYE-LEFT	1	1	0	1	0	0	0
EYE-RIGHT	0	0	0	0	0	1	0
EYES	0	0	1	1	0	0	0
OPAQUE							
EYE-LEFT	0	1	0	0	0	0	0
EYE-RIGHT	1	0	0	1	0	0	0
EYES	1	2	0	0	0	0	0

Table 5

Summary of Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

NUMBER OF ANIMALS AFFECTED

DAYS 1-732

SEX:	MALE						
GROUP:	1	2	3	4	5	6	7
CATEGORY / DOSE:	0	3	30	100	300	100	300
KEYWORD / QUALIFIER / NUMBER:	70	60	60	70	70	40	40
EYES							
PALE							
EYE-RIGHT	1	0	0	0	0	0	0
EYES	2	1	0	0	0	1	0
RED DISCHARGE							
EYE-LEFT	2	0	3	2	0	3	0
EYE-RIGHT	4	2	0	2	0	3	0
EYES	9	3	5	7	0	5	0
SQUINTED							
PERI-ORBITAL	5	2	4	8	0	5	0
PERI-ORBITAL-RIGHT	0	0	1	0	0	0	0
RESPIRATION							
AUDIBLE	2	3	3	3	0	0	0
IRREGULAR	1	3	2	1	0	3	0
LABORED	6	6	3	2	1	3	0
SKIN & PELAGE							
ALOPECIA	0	0	0	0	0	0	0
BROWN HAIR COAT							
HEAD-MAXILLARY-LEFT	0	0	0	1	0	0	0
HEAD-MAXILLARY-RIGHT	0	0	0	1	0	0	0
PERINEAL AREA	3	3	2	2	0	4	0
SCROTUM	0	1	0	1	0	0	0
VENTRAL-ABDOMINAL	2	3	1	6	0	4	0
GENERALIZED	0	1	1	1	0	2	0

Table 5

Summary of Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

NUMBER OF ANIMALS AFFECTED

DAYS 1-732

SEX:	MALE						
GROUP:	1	2	3	4	5	6	7
CATEGORY / DOSE:	0	3	30	100	300	100	300
KEYWORD / QUALIFIER / NUMBER:	70	60	60	70	70	40	40
SKIN & PELAGE							
BLUE SKIN							
PAW-HIND-LEFT	0	1	0	0	0	0	0
VENTRAL-ABDOMINAL	0	0	0	0	0	0	0
VENTRAL-ABDOMINAL-LEFT	0	0	0	0	0	0	0
VENTRAL-ABDOMINAL-RIGHT	0	0	0	0	0	0	0
VENTRAL-CERVICAL	0	0	0	0	0	0	0
BROWN SKIN							
PAWS-ALL	0	0	1	0	0	0	0
VENTRAL-ABDOMINAL	0	0	0	1	0	0	0
COLD TO TOUCH							
LIMBS-ALL	0	0	0	0	0	0	0
LIMBS-HIND	0	0	0	0	0	0	0
ENTIRE BODY	3	1	0	3	1	2	0
BLACK SKIN							
VENTRAL-ABDOMINAL-LEFT	0	0	0	0	0	0	0
VENTRAL-THORACIC-RIGHT	0	0	0	0	0	0	0
PALE							
EARS	0	0	0	0	0	0	0
ENTIRE BODY	2	1	2	3	1	2	0
RED HAIR COAT							
DORSAL-CERVICAL	0	0	0	0	0	0	0
DORSAL-CERVICAL-RIGHT	0	0	0	0	0	0	0
HEAD-ENTIRE	4	4	7	5	1	2	0
HEAD-CRANIAL	3	1	2	1	0	0	0
HEAD-MAXILLARY-LEFT	2	0	0	0	0	0	0

Table 5

Summary of Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

NUMBER OF ANIMALS AFFECTED

DAYS 1-732

CATEGORY / KEYWORD / QUALIFIER	SEX:	MALE					
	GROUP:	1	2	3	4	5	6	7
	DOSE:	0	3	30	100	300	100	300
	NUMBER:	70	60	60	70	70	40	40
SKIN & PELAGE								
RED HAIR COAT								
HEAD-MAXILLARY-RIGHT		1	0	0	0	0	0	0
LIMBS-ALL		0	1	0	0	0	0	0
LIMBS-FRONT		1	0	0	0	0	0	0
PERINEAL AREA		0	0	1	0	0	0	0
VENTRAL-ABDOMINAL		4	2	4	5	0	0	1
VENTRAL-ABDOMINAL-LEFT		0	0	1	0	0	0	0
VENTRAL-CERVICAL		0	0	1	0	0	1	0
VENTRAL-THORACIC		1	0	1	0	0	0	0
ROUGH HAIR COAT		3	4	1	4	0	3	0
SCALY SKIN								
TAIL		0	0	1	0	0	0	0
TAIL-DISTAL		0	0	0	0	0	0	0
SORE/SCAB								
AXILLARY REGION-LEFT		1	0	0	0	0	0	0
AXILLARY REGION-RIGHT		2	1	0	0	0	0	0
DORSAL		2	3	1	1	0	0	0
DORSAL-CERVICAL		1	0	0	0	0	0	0
DORSAL-CERVICAL-LEFT		0	0	0	0	0	0	0
DORSAL-CERVICAL-RIGHT		0	0	1	0	0	0	0
DORSAL-THORACIC-LEFT		0	0	0	1	0	0	0
DORSAL-THORACIC-RIGHT		0	0	0	1	0	0	0
EAR-RIGHT		0	0	1	0	0	0	0
EARS		0	0	0	1	0	0	0
HEAD-ENTIRE		0	0	0	0	0	1	1

Table 5

Summary of Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

NUMBER OF ANIMALS AFFECTED

DAYS 1-732

CATEGORY / KEYWORD / QUALIFIER	SEX:	MALE					
	GROUP:	1	2	3	4	5	6	7
	DOSE:	0	3	30	100	300	100	300
	NUMBER:	70	60	60	70	70	40	40
SKIN & PELAGE								
SORE/SCAB								
HEAD-CRANIAL		0	1	0	0	0	0	0
HEAD-MAXILLARY-LEFT		0	0	0	1	0	0	0
HEAD-MAXILLARY-RIGHT		0	1	1	2	0	0	0
LATERAL-ABDOMINAL-LEFT		1	0	1	0	0	0	0
LATERAL-ABDOMINAL-RIGHT		0	1	0	0	0	0	0
LATERAL-CERVICAL-LEFT		1	0	0	0	0	0	0
LATERAL-CERVICAL-RIGHT		1	0	0	0	0	0	0
LIMB-FRONT-LEFT		0	0	0	0	0	0	0
LIMB-HIND-LEFT		0	3	2	0	0	0	0
LIMB-HIND-RIGHT		0	1	0	0	0	0	0
LIMBS-HIND		1	0	0	0	0	0	0
LATERAL-THORACIC-RIGHT		0	0	0	0	0	0	0
LUMBAR-LEFT		0	0	0	0	0	0	0
MOUTH		0	0	0	1	0	0	0
PAW-FRONT-RIGHT		0	0	1	0	0	0	0
PAW-HIND-LEFT		5	3	10	5	0	9	0
PAW-HIND-RIGHT		6	6	8	4	0	4	0
PAWS-FRONT		0	0	0	0	0	0	0
PAWS-HIND		5	3	5	5	0	2	0
SACRAL-LEFT		0	0	0	0	0	0	0
SCROTUM		0	0	1	1	0	0	0
SCROTUM-RIGHT		0	0	1	0	0	0	0
SHOULDER-LEFT		0	2	1	0	0	0	0
SHOULDER-RIGHT		0	0	0	0	0	0	0

Table 5

Summary of Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		NUMBER OF ANIMALS AFFECTED						
DAYS 1-732								
	SEX:	MALE						
	GROUP:	1	2	3	4	5	6	7
CATEGORY	DOSE:	0	3	30	100	300	100	300
KEYWORD								
QUALIFIER	NUMBER:	70	60	60	70	70	40	40
SKIN & PELAGE								
SORE/SCAB								
TAIL		2	2	2	1	0	0	0
TAIL-PROXIMAL		0	1	0	0	0	0	0
VENTRAL-ABDOMINAL		1	1	2	3	0	2	0
VENTRAL-ABDOMINAL-LEFT		0	1	0	0	0	0	0
VENTRAL-ABDOMINAL-RIGHT		0	0	0	0	0	0	0
VENTRAL-CERVICAL		1	2	0	0	1	1	0
VENTRAL-CERVICAL-LEFT		0	0	1	0	0	0	0
VENTRAL-CERVICAL-RIGHT		0	0	1	0	0	0	0
VENTRAL-THORACIC		0	1	0	0	0	0	0
VENTRAL-THORACIC-RIGHT		0	0	0	0	0	0	0
YELLOW HAIR COAT		9	2	6	7	0	8	1

Table 5

Summary of Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

NUMBER OF ANIMALS AFFECTED

DAYS 1-732

SEX:	FEMALE						
GROUP:	1	2	3	4	5	6	7
CATEGORY / DOSE:	0	3	30	100	300	100	300
KEYWORD / QUALIFIER / NUMBER:	70	60	60	70	70	40	40
*** TOP OF LIST ***							
APPEARANCE							
BENT TAIL	0	0	0	0	0	1	0
CONVULSIONS	0	0	1	2	0	0	0
DEHYDRATED	0	0	2	0	0	3	0
HEAD TILT							
LEFT	5	2	3	1	0	2	0
RIGHT	6	6	5	1	0	1	0
HUNCHED	5	4	12	8	0	4	0
LIMITED USE							
LIMB-HIND-RIGHT	0	0	0	0	0	0	0
LIMBS-FRONT	0	0	0	0	0	0	0
LIMBS-HIND	0	0	0	0	0	0	0
PAW-HIND-LEFT	2	0	0	0	0	0	0
PAW-HIND-RIGHT	1	0	0	0	0	0	0
PAWS-FRONT	0	0	0	0	0	0	0
PAWS-HIND	0	0	0	0	0	0	0
MALOCCLUSION	10	19	12	19	0	11	0
MISSING							
TAIL-PROXIMAL	0	0	0	0	0	1	0
TEETH	1	1	0	0	0	0	0
OBESE	0	0	0	0	0	0	0
PARALYSIS							
LIMB-FRONT-LEFT	0	0	0	0	0	0	0
LIMBS-HIND	0	0	1	0	0	0	0
PROLAPSED							
VAGINA	0	0	0	0	0	1	0

Table 5

Summary of Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

NUMBER OF ANIMALS AFFECTED

DAYS 1-732

SEX:	FEMALE						
GROUP:	1	2	3	4	5	6	7
CATEGORY / DOSE:	0	3	30	100	300	100	300
KEYWORD / QUALIFIER / NUMBER:	70	60	60	70	70	40	40
APPEARANCE							
PROTRUDING PENIS	0	0	0	0	0	0	0
SWOLLEN							
DORSAL-CERVICAL	0	0	0	0	0	0	0
INGUINAL REGION-LEFT	1	0	0	0	0	0	0
INGUINAL REGION-RIGHT	1	0	0	0	0	0	0
LIMB-HIND-LEFT	0	1	0	0	0	0	0
LIMB-HIND-RIGHT	0	0	0	0	0	1	0
LIMBS-HIND	0	0	0	0	0	0	0
MOUTH	1	1	0	0	0	2	0
NOSE	0	0	0	0	0	1	0
PAW-FRONT-LEFT	0	1	0	0	0	0	0
PAW-HIND-LEFT	2	0	1	1	0	0	0
PAW-HIND-RIGHT	1	1	0	0	0	0	0
PAWS-FRONT	0	0	0	0	0	0	0
PAWS-HIND	0	0	0	0	0	0	0
TAIL-PROXIMAL	0	0	0	0	0	0	0
VENTRAL-ABDOMINAL	2	1	0	0	0	2	0
VENTRAL-CERVICAL	0	0	0	0	0	0	0
THIN	17	19	23	22	0	16	0
GENITAL DISCHARGE, GREEN	1	0	0	0	0	0	0
BEHAVIOR							
ATAXIC	3	3	7	1	0	3	0
CIRCLING							
LEFT	0	1	2	0	0	0	0

Table 5

Summary of Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

NUMBER OF ANIMALS AFFECTED

DAYS 1-732

SEX:	FEMALE						
GROUP:	1	2	3	4	5	6	7
CATEGORY / DOSE:	0	3	30	100	300	100	300
KEYWORD / QUALIFIER / NUMBER:	70	60	60	70	70	40	40
BEHAVIOR							
CIRCLING							
RIGHT	0	1	0	0	0	0	0
HYPOACTIVE	7	11	14	14	0	9	0
RECUMBENT							
LATERAL	0	1	1	1	0	1	0
STERNAL	2	2	1	0	0	0	0
SENSITIVE TO TOUCH	3	1	0	1	0	0	0
VOCALIZATION	0	1	0	0	0	0	0
DISCHARGE							
GENITAL							
RED IN COLOR	3	1	1	2	0	4	0
MUCOID	0	0	0	1	0	0	0
ORAL							
RED IN COLOR	0	1	1	2	0	0	0
CLEAR	0	0	1	1	0	0	0
NASAL							
RED IN COLOR	2	8	2	9	0	5	0
UNKNOWN							
RED IN COLOR	0	0	0	0	0	0	0
EXCRETION							
DISCOLORED URINE							
RED IN COLOR	0	0	1	0	0	0	0
ORANGE IN COLOR	0	0	0	0	0	0	0

Table 5

Summary of Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DAYS 1-732	NUMBER OF ANIMALS AFFECTED						
SEX:	FEMALE						
GROUP:	1	2	3	4	5	6	7
CATEGORY / DOSE:	0	3	30	100	300	100	300
KEYWORD / QUALIFIER / NUMBER:	70	60	60	70	70	40	40
EXCRETION							
FEW FECES	18	16	15	16	0	10	0
LIQUID FECES	0	0	0	0	0	0	0
NO FECES	6	7	5	4	0	9	0
NONFORMED FECES	3	0	0	0	0	2	0
EYES							
CLEAR DISCHARGE							
EYE-LEFT	1	0	2	0	0	0	0
EYE-RIGHT	0	0	0	0	0	1	0
EYES	0	0	0	1	0	0	0
CLOUDY DISCHARGE							
EYE-RIGHT	1	0	0	0	0	0	0
DISCOLORED/DARK RED							
EYE-LEFT	0	0	1	0	0	0	0
DILATED PUPIL							
EYES	0	0	0	0	0	0	0
DISCOLORED/LIGHT RED							
EYE-LEFT	0	0	0	0	0	0	0
EYE-RIGHT	0	0	0	1	0	0	0
EYES	0	0	0	0	0	0	0
OPAQUE							
EYE-LEFT	0	0	0	0	0	0	0
EYE-RIGHT	0	0	0	0	0	1	0
EYES	0	0	0	0	0	0	0

Table 5

Summary of Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DAYS 1-732

NUMBER OF ANIMALS AFFECTED

SEX:	FEMALE						
GROUP:	1	2	3	4	5	6	7
CATEGORY / DOSE:	0	3	30	100	300	100	300
KEYWORD / QUALIFIER / NUMBER:	70	60	60	70	70	40	40
EYES							
PALE							
EYE-RIGHT	0	0	0	0	0	0	0
EYES	3	4	1	3	0	2	0
RED DISCHARGE							
EYE-LEFT	3	4	5	2	0	4	0
EYE-RIGHT	4	2	2	2	0	2	0
EYES	11	16	12	7	0	8	0
SQUINTED							
PERI-ORBITAL	2	2	3	2	0	1	0
PERI-ORBITAL-RIGHT	0	0	0	0	0	0	0
RESPIRATION							
AUDIBLE	0	4	4	6	0	3	0
IRREGULAR	0	4	1	1	0	1	0
LABORED	5	5	5	2	0	2	0
SKIN & PELAGE							
ALOPECIA	0	0	1	2	0	4	0
BROWN HAIR COAT							
HEAD-MAXILLARY-LEFT	0	0	0	0	0	0	0
HEAD-MAXILLARY-RIGHT	0	0	0	0	0	0	0
PERINEAL AREA	1	1	4	2	0	1	0
SCROTUM	0	0	0	0	0	0	0
VENTRAL-ABDOMINAL	0	4	2	3	0	1	0
GENERALIZED	0	0	0	0	0	2	0

Table 5

Summary of Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

NUMBER OF ANIMALS AFFECTED

DAYS 1-732

SEX:	FEMALE						
GROUP:	1	2	3	4	5	6	7
CATEGORY / DOSE:	0	3	30	100	300	100	300
KEYWORD / QUALIFIER / NUMBER:	70	60	60	70	70	40	40
SKIN & PELAGE							
BLUE SKIN							
PAW-HIND-LEFT	0	0	0	0	0	0	0
VENTRAL-ABDOMINAL	0	0	1	0	0	1	0
VENTRAL-ABDOMINAL-LEFT	1	1	0	0	0	0	0
VENTRAL-ABDOMINAL-RIGHT	0	0	1	0	0	0	0
VENTRAL-CERVICAL	1	0	0	0	0	0	0
BROWN SKIN							
PAWS-ALL	0	0	0	0	0	0	0
VENTRAL-ABDOMINAL	0	0	0	0	0	0	0
COLD TO TOUCH							
LIMBS-ALL	0	0	1	0	0	0	0
LIMBS-HIND	0	1	0	0	0	0	0
ENTIRE BODY	2	2	2	1	0	2	0
BLACK SKIN							
VENTRAL-ABDOMINAL-LEFT	0	0	1	0	0	0	0
VENTRAL-THORACIC-RIGHT	0	1	0	0	0	1	0
PALE							
EARS	0	2	0	0	0	0	0
ENTIRE BODY	5	4	3	2	0	4	0
RED HAIR COAT							
DORSAL-CERVICAL	0	0	0	0	0	1	0
DORSAL-CERVICAL-RIGHT	0	0	0	1	0	0	0
HEAD-ENTIRE	5	10	6	10	0	4	0
HEAD-CRANIAL	0	1	1	2	0	2	0
HEAD-MAXILLARY-LEFT	0	0	0	0	0	0	0

Table 5

Summary of Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

NUMBER OF ANIMALS AFFECTED

DAYS 1-732

CATEGORY / KEYWORD / QUALIFIER	SEX:	FEMALE						
	GROUP:	1	2	3	4	5	6	7
	DOSE:	0	3	30	100	300	100	300
	NUMBER:	70	60	60	70	70	40	40
SKIN & PELAGE								
RED HAIR COAT								
HEAD-MAXILLARY-RIGHT		0	0	0	0	0	0	0
LIMBS-ALL		0	0	0	0	0	0	0
LIMBS-FRONT		1	0	0	2	0	0	0
PERINEAL AREA		2	2	0	0	0	2	0
VENTRAL-ABDOMINAL		2	2	1	6	0	1	0
VENTRAL-ABDOMINAL-LEFT		0	0	0	0	0	0	0
VENTRAL-CERVICAL		0	0	0	0	0	0	0
VENTRAL-THORACIC		0	0	0	1	0	0	0
ROUGH HAIR COAT		0	0	2	2	0	6	0
SCALY SKIN								
TAIL		0	0	0	0	0	1	0
TAIL-DISTAL		0	0	0	1	0	0	0
SORE/SCAB								
AXILLARY REGION-LEFT		1	0	1	0	0	0	0
AXILLARY REGION-RIGHT		2	2	1	0	0	0	0
DORSAL		1	1	1	2	0	1	0
DORSAL-CERVICAL		0	1	0	0	0	0	0
DORSAL-CERVICAL-LEFT		1	0	0	0	0	0	0
DORSAL-CERVICAL-RIGHT		0	0	0	0	0	0	0
DORSAL-THORACIC-LEFT		0	0	0	0	0	2	0
DORSAL-THORACIC-RIGHT		0	0	0	0	0	0	0
EAR-RIGHT		0	0	0	0	0	0	0
EARS		0	0	0	0	0	0	0
HEAD-ENTIRE		0	0	0	0	0	1	0

Table 5

Summary of Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

NUMBER OF ANIMALS AFFECTED

DAYS 1-732

CATEGORY / KEYWORD / QUALIFIER	SEX:	FEMALE					
	GROUP:	1	2	3	4	5	6	7
	DOSE:	0	3	30	100	300	100	300
	NUMBER:	70	60	60	70	70	40	40
SKIN & PELAGE								
SORE/SCAB								
HEAD-CRANIAL		0	1	0	0	0	0	0
HEAD-MAXILLARY-LEFT		0	1	0	0	0	0	0
HEAD-MAXILLARY-RIGHT		0	0	0	0	0	0	0
LATERAL-ABDOMINAL-LEFT		1	0	0	0	0	0	0
LATERAL-ABDOMINAL-RIGHT		0	0	1	0	0	0	0
LATERAL-CERVICAL-LEFT		0	0	0	1	0	0	0
LATERAL-CERVICAL-RIGHT		0	0	0	1	0	0	0
LIMB-FRONT-LEFT		1	0	0	0	0	0	0
LIMB-HIND-LEFT		1	0	0	0	0	0	0
LIMB-HIND-RIGHT		1	0	0	0	0	0	0
LIMBS-HIND		2	0	0	0	0	2	0
LATERAL-THORACIC-RIGHT		0	0	0	1	0	0	0
LUMBAR-LEFT		0	0	0	1	0	0	0
MOUTH		1	2	0	2	0	1	0
PAW-FRONT-RIGHT		0	0	0	0	0	0	0
PAW-HIND-LEFT		4	2	2	0	0	2	0
PAW-HIND-RIGHT		3	1	1	2	0	1	0
PAWS-FRONT		0	1	0	0	0	0	0
PAWS-HIND		4	1	0	1	0	3	0
SACRAL-LEFT		0	0	0	1	0	0	0
SCROTUM		0	0	0	0	0	0	0
SCROTUM-RIGHT		0	0	0	0	0	0	0
SHOULDER-LEFT		0	0	0	0	0	0	0
SHOULDER-RIGHT		0	1	0	0	0	0	0

Table 5

Summary of Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

NUMBER OF ANIMALS AFFECTED

DAYS 1-732

	SEX:	FEMALE						
	GROUP:	1	2	3	4	5	6	7
CATEGORY	DOSE:	0	3	30	100	300	100	300
KEYWORD								
QUALIFIER	NUMBER:	70	60	60	70	70	40	40
SKIN & PELAGE								
SORE/SCAB								
TAIL		0	0	0	0	0	1	0
TAIL-PROXIMAL		0	0	0	0	0	0	0
VENTRAL-ABDOMINAL		0	0	1	0	0	3	0
VENTRAL-ABDOMINAL-LEFT		0	0	2	0	0	0	0
VENTRAL-ABDOMINAL-RIGHT		0	1	2	0	0	3	0
VENTRAL-CERVICAL		1	1	0	2	0	0	0
VENTRAL-CERVICAL-LEFT		0	1	2	0	0	0	0
VENTRAL-CERVICAL-RIGHT		0	0	1	0	0	0	0
VENTRAL-THORACIC		0	0	0	0	0	0	0
VENTRAL-THORACIC-RIGHT		0	0	0	0	0	1	0
YELLOW HAIR COAT		8	7	15	10	0	8	0

*** END OF LIST ***

Table 6

Summary of Mass Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

NUMBER OF ANIMALS AFFECTED

DAYS 1-732

SEX:	MALE						
GROUP:	1	2	3	4	5	6	7
CATEGORY / DOSE:	0	3	30	100	300	100	300
KEYWORD / QUALIFIER / NUMBER:	70	60	60	70	70	40	40
*** TOP OF LIST ***							
MASS(ES)							
AXILLARY REGION-LEFT							
WEEK 26	0	0	0	0	0	0	0
WEEK 33	0	0	0	0	0	0	0
WEEK 43	1	0	0	0	0	0	0
WEEK 47	0	0	0	0	0	0	0
WEEK 56	0	0	0	0	0	0	0
WEEK 58	0	0	0	0	0	0	0
WEEK 59	0	0	0	0	0	0	0
WEEK 61	1	0	0	0	0	0	0
WEEK 63	0	0	0	0	0	0	0
WEEK 64	0	0	0	0	0	0	0
WEEK 65	0	0	0	0	0	0	0
WEEK 68	0	0	0	0	0	0	0
WEEK 71	0	0	0	0	0	0	0
WEEK 74	0	0	0	0	0	0	0
WEEK 75	0	0	0	0	0	0	0
WEEK 78	0	0	0	0	0	0	0
WEEK 81	0	0	0	0	0	0	0
WEEK 82	0	0	0	0	0	0	0
WEEK 84	0	0	0	0	0	0	0
WEEK 85	0	0	0	0	0	0	0
WEEK 86	0	0	0	0	0	0	0
WEEK 87	0	0	0	0	0	0	0
WEEK 88	0	0	0	1	0	0	0
WEEK 89	0	1	0	0	0	0	0

Table 6

Summary of Mass Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DAYS 1-732

NUMBER OF ANIMALS AFFECTED

SEX:	MALE						
GROUP:	1	2	3	4	5	6	7
CATEGORY / DOSE:	0	3	30	100	300	100	300
KEYWORD / QUALIFIER / NUMBER:	70	60	60	70	70	40	40
MASS(ES)							
AXILLARY REGION-LEFT							
WEEK 92	0	0	0	0	0	0	0
WEEK 97	0	0	0	0	0	0	0
WEEK 99	0	0	0	0	0	0	0
WEEK 100	0	0	0	0	0	0	0
WEEK 105	0	0	0	0	0	0	0
AXILLARY REGION-RIGHT							
WEEK 31	0	0	0	0	0	0	0
WEEK 35	0	0	0	0	0	0	0
WEEK 38	0	0	0	0	0	0	0
WEEK 45	0	0	0	0	0	0	0
WEEK 47	0	0	0	0	0	0	0
WEEK 48	0	0	0	0	0	0	0
WEEK 52	0	0	0	0	0	0	0
WEEK 56	0	0	0	0	0	0	0
WEEK 60	0	0	0	0	0	0	0
WEEK 67	0	0	0	0	0	0	0
WEEK 68	0	0	0	0	0	0	0
WEEK 71	1	0	0	0	0	0	0
WEEK 74	0	0	0	0	0	0	0
WEEK 76	0	0	0	0	0	0	0
WEEK 82	0	0	0	0	0	0	0
WEEK 84	2	0	0	0	0	0	0
WEEK 85	0	0	0	0	0	0	0
WEEK 87	0	0	0	0	0	1	0

Table 6

Summary of Mass Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DAYS 1-732		NUMBER OF ANIMALS AFFECTED						
	SEX:	MALE						
	GROUP:	1	2	3	4	5	6	7
CATEGORY	DOSE:	0	3	30	100	300	100	300
KEYWORD								
QUALIFIER	NUMBER:	70	60	60	70	70	40	40
MASS(ES)								
AXILLARY REGION-RIGHT								
WEEK 88		0	0	0	0	0	0	0
WEEK 89		0	0	0	1	0	0	0
WEEK 91		0	1	0	0	0	0	0
WEEK 92		0	0	0	0	0	0	0
WEEK 93		0	0	0	0	0	0	0
WEEK 96		0	0	0	0	0	0	0
WEEK 97		0	0	0	0	0	0	0
WEEK 99		0	0	0	0	0	0	0
WEEK 102		0	0	0	0	0	0	0
WEEK 105		0	0	0	0	0	0	0
DORSAL								
WEEK 49		1	0	0	0	0	0	0
WEEK 56		0	0	0	1	0	0	0
WEEK 64		0	0	1	0	0	0	0
WEEK 68		0	0	0	0	0	0	0
WEEK 76		0	1	0	0	0	0	0
WEEK 82		0	0	0	0	0	0	0
WEEK 90		0	0	0	0	0	0	0
WEEK 98		0	0	1	0	0	0	0
WEEK 99		0	0	0	0	0	0	0
WEEK 103		0	0	0	0	0	0	0
WEEK 105		0	1	0	0	0	0	0
DORSAL-CERVICAL-LEFT								
WEEK 80		0	0	0	0	0	0	0

Table 6

Summary of Mass Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DAYS 1-732	NUMBER OF ANIMALS AFFECTED						
SEX:	MALE						
GROUP:	1	2	3	4	5	6	7
CATEGORY / DOSE:	0	3	30	100	300	100	300
KEYWORD / QUALIFIER / NUMBER:	70	60	60	70	70	40	40
MASS(ES)							
DORSAL-CERVICAL-LEFT							
WEEK 82	0	0	0	0	0	0	0
HEAD-MAXILLARY-LEFT							
WEEK 80	0	0	0	0	0	0	0
WEEK 82	1	0	0	0	0	0	0
HEAD-MAXILLARY-RIGHT							
WEEK 17	0	0	0	0	0	0	0
WEEK 48	0	0	0	0	0	0	0
WEEK 51	0	1	0	0	0	0	0
WEEK 61	0	1	0	0	0	0	0
INGUINAL REGION-LEFT							
WEEK 64	0	0	0	0	0	0	0
WEEK 75	0	0	0	0	0	0	0
WEEK 76	0	0	0	0	0	0	0
WEEK 80	0	0	0	0	0	0	0
WEEK 81	0	0	0	0	0	0	0
WEEK 84	0	0	0	0	0	0	0
WEEK 86	0	0	0	0	0	0	0
WEEK 87	0	0	0	0	0	0	0
WEEK 88	0	0	0	0	0	0	0
WEEK 89	0	0	0	0	0	0	0
WEEK 92	0	0	0	0	0	0	0
WEEK 93	0	0	0	0	0	0	0
WEEK 94	0	0	0	0	0	0	0
WEEK 98	0	0	0	0	0	0	0

Table 6

Summary of Mass Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DAYS 1-732	NUMBER OF ANIMALS AFFECTED						
SEX:	MALE						
GROUP:	1	2	3	4	5	6	7
CATEGORY / DOSE:	0	3	30	100	300	100	300
KEYWORD / QUALIFIER / NUMBER:	70	60	60	70	70	40	40
MASS(ES)							
INGUINAL REGION-LEFT							
WEEK 105	0	0	0	0	0	0	0
INGUINAL REGION-RIGHT							
WEEK 72	0	0	0	0	0	0	0
WEEK 74	0	0	0	0	0	0	0
WEEK 75	0	0	0	0	0	1	0
WEEK 76	0	0	0	0	0	0	0
WEEK 80	0	0	0	0	0	0	0
WEEK 83	0	0	0	0	0	0	0
WEEK 84	0	0	0	0	0	0	0
WEEK 86	0	0	0	0	0	0	0
WEEK 87	0	0	0	0	0	0	0
WEEK 89	0	0	0	0	0	0	0
WEEK 92	0	0	0	0	0	0	0
WEEK 93	0	0	0	0	0	0	0
WEEK 94	0	0	0	0	0	0	0
WEEK 97	1	0	0	0	0	0	0
WEEK 98	0	0	0	0	0	0	0
LIMB-HIND-LEFT							
WEEK 25	0	0	0	0	0	0	0
WEEK 76	0	0	0	1	0	0	0
LIMB-HIND-RIGHT							
WEEK 71	0	0	0	0	0	0	0
WEEK 98	0	1	0	0	0	0	0

Table 6

Summary of Mass Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

NUMBER OF ANIMALS AFFECTED

DAYS 1-732

SEX:	MALE						
GROUP:	1	2	3	4	5	6	7
CATEGORY / DOSE:	0	3	30	100	300	100	300
KEYWORD / QUALIFIER / NUMBER:	70	60	60	70	70	40	40
MASS(ES)							
MOUTH							
WEEK 20	1	0	0	0	0	0	0
WEEK 56	0	0	0	0	0	0	0
WEEK 67	0	0	0	1	0	0	0
WEEK 70	0	0	0	0	0	0	0
WEEK 71	0	0	0	0	0	0	0
WEEK 82	0	0	1	0	0	0	0
WEEK 85	0	0	0	0	0	0	0
WEEK 104	0	0	0	0	0	1	0
SHOULDER-LEFT							
WEEK 40	0	0	1	0	0	0	0
TAIL-PROXIMAL							
WEEK 86	0	0	0	0	0	0	0
VENTRAL-ABDOMINAL							
WEEK 33	0	0	0	0	0	0	0
WEEK 35	0	0	0	0	0	0	0
WEEK 40	0	0	0	0	0	0	0
WEEK 44	0	0	0	0	0	0	0
WEEK 49	0	0	0	0	0	0	0
WEEK 51	0	0	0	0	0	0	0
WEEK 57	0	0	0	0	0	0	0
WEEK 59	0	0	0	0	0	0	0
WEEK 62	0	0	0	0	0	0	0
WEEK 72	0	0	0	0	0	0	0
WEEK 74	0	0	0	0	0	0	0

Table 6

Summary of Mass Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DAYS 1-732

NUMBER OF ANIMALS AFFECTED

CATEGORY / KEYWORD / QUALIFIER	SEX:	MALE					
	GROUP:	1	2	3	4	5	6	7
	DOSE:	0	3	30	100	300	100	300
	NUMBER:	70	60	60	70	70	40	40
MASS(ES)								
VENTRAL-ABDOMINAL								
WEEK 77		0	1	0	0	0	0	0
WEEK 82		0	0	0	0	0	0	0
WEEK 83		0	0	1	0	0	0	0
WEEK 85		0	0	0	0	0	0	0
WEEK 88		0	0	0	0	0	0	0
WEEK 90		0	0	0	0	0	0	0
WEEK 92		0	0	0	0	0	0	0
WEEK 95		0	0	0	0	0	0	0
WEEK 102		0	0	0	1	0	0	0
VENTRAL-ABDOMINAL-LEFT								
WEEK 21		0	1	0	0	0	0	0
WEEK 22		0	0	0	0	0	0	0
WEEK 37		0	0	0	1	0	0	0
WEEK 45		0	0	0	0	0	0	0
WEEK 46		0	0	0	0	0	0	0
WEEK 49		0	0	0	0	0	0	0
WEEK 51		0	1	0	0	0	0	0
WEEK 53		0	0	0	0	0	0	0
WEEK 57		0	0	0	0	0	0	0
WEEK 61		0	0	0	0	0	0	0
WEEK 62		0	0	0	0	0	0	0
WEEK 64		0	0	0	0	0	0	0
WEEK 67		0	0	0	0	0	0	0
WEEK 71		0	0	0	0	0	0	0

Table 6

Summary of Mass Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DAYS 1-732	NUMBER OF ANIMALS AFFECTED						
SEX:	MALE						
GROUP:	1	2	3	4	5	6	7
CATEGORY / DOSE:	0	3	30	100	300	100	300
KEYWORD / QUALIFIER / NUMBER:	70	60	60	70	70	40	40
MASS(ES)							
VENTRAL-ABDOMINAL-LEFT							
WEEK 72	0	0	0	0	0	0	0
WEEK 74	0	0	0	0	0	0	0
WEEK 75	0	0	0	0	0	0	0
WEEK 76	0	0	1	0	0	0	0
WEEK 82	0	0	0	0	0	0	0
WEEK 84	0	0	0	0	0	0	0
WEEK 85	0	0	0	0	0	0	0
WEEK 86	0	0	0	0	0	0	0
WEEK 99	0	0	0	0	0	0	0
WEEK 100	0	0	0	0	0	0	0
WEEK 105	0	0	0	0	0	0	0
VENTRAL-ABDOMINAL-RIGHT							
WEEK 29	0	0	0	1	0	0	0
WEEK 32	0	0	0	0	0	0	0
WEEK 36	0	0	0	0	0	0	0
WEEK 38	0	0	0	1	0	0	0
WEEK 40	0	0	0	0	0	0	0
WEEK 49	0	0	0	0	0	0	0
WEEK 51	0	0	0	0	0	0	0
WEEK 53	0	0	0	0	0	0	0
WEEK 56	0	0	0	0	0	0	0
WEEK 62	0	0	0	0	0	0	0
WEEK 66	0	0	0	0	0	0	0
WEEK 70	0	0	0	0	0	0	0

Table 6

Summary of Mass Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DAYS 1-732	NUMBER OF ANIMALS AFFECTED						
SEX:	MALE						
GROUP:	1	2	3	4	5	6	7
CATEGORY / DOSE:	0	3	30	100	300	100	300
KEYWORD / QUALIFIER / NUMBER:	70	60	60	70	70	40	40
MASS(ES)							
VENTRAL-ABDOMINAL-RIGHT							
WEEK 72	0	0	0	0	0	0	0
WEEK 81	0	0	1	0	0	0	0
WEEK 82	1	0	0	0	0	0	0
WEEK 84	0	0	0	0	0	0	0
WEEK 85	0	0	0	0	0	0	0
WEEK 88	0	0	0	0	0	0	0
WEEK 91	0	0	0	0	0	0	0
WEEK 94	0	0	0	0	0	0	0
WEEK 97	0	0	0	0	0	0	0
WEEK 98	0	0	0	0	0	0	0
WEEK 100	0	0	0	0	0	0	0
WEEK 105	0	0	0	0	0	0	0
VENTRAL-CERVICAL							
WEEK 62	0	0	0	0	0	0	0
WEEK 64	0	0	0	0	0	0	0
WEEK 68	0	0	0	0	0	0	0
WEEK 73	0	0	0	0	0	0	0
WEEK 75	0	0	0	0	0	0	0
WEEK 80	1	0	0	0	0	0	0
WEEK 95	0	0	0	0	0	0	0
WEEK 100	0	0	0	0	0	0	0
VENTRAL-CERVICAL-LEFT							
WEEK 43	0	0	0	0	0	0	0
WEEK 46	0	0	0	0	0	0	0

Table 6

Summary of Mass Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DAYS 1-732	NUMBER OF ANIMALS AFFECTED						
SEX:	MALE						
GROUP:	1	2	3	4	5	6	7
CATEGORY / DOSE:	0	3	30	100	300	100	300
KEYWORD / QUALIFIER / NUMBER:	70	60	60	70	70	40	40
MASS(ES)							
VENTRAL-CERVICAL-LEFT							
WEEK 48	0	0	0	0	0	0	0
WEEK 61	0	0	0	0	0	0	0
WEEK 79	0	0	0	0	0	0	0
WEEK 87	0	0	0	0	0	0	0
WEEK 88	0	0	0	0	0	0	0
VENTRAL-CERVICAL-RIGHT							
WEEK 43	0	0	0	0	0	0	0
WEEK 61	0	0	0	0	0	0	0
WEEK 78	0	0	0	0	0	0	0
WEEK 105	0	0	0	0	0	0	0
VENTRAL-THORACIC							
WEEK 42	1	0	0	0	0	0	0
WEEK 54	0	0	0	0	0	0	0
WEEK 81	0	0	0	0	0	0	0
VENTRAL-THORACIC-LEFT							
WEEK 67	0	0	0	0	0	0	0
WEEK 79	0	0	0	0	0	0	0
WEEK 95	0	0	0	1	0	0	0
WEEK 101	0	0	0	0	0	0	0
VENTRAL-THORACIC-RIGHT							
WEEK 75	0	0	0	0	0	0	0
WEEK 84	0	0	0	0	0	0	0
HEAD							
WEEK 82	0	0	0	0	0	0	0

Table 6

Summary of Mass Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DAYS 1-732	NUMBER OF ANIMALS AFFECTED						
SEX:	MALE						
GROUP:	1	2	3	4	5	6	7
CATEGORY / DOSE:	0	3	30	100	300	100	300
KEYWORD / QUALIFIER / NUMBER:	70	60	60	70	70	40	40
MASS(ES)							
HEAD							
WEEK 86	0	0	0	0	0	0	0
WEEK 102	0	0	0	0	0	1	0
WART LIKE LESION(S)							
DORSAL							
WEEK 47	0	1	0	0	0	0	0
WEEK 51	1	0	0	0	0	0	0
WEEK 61	1	0	0	0	0	0	0
WEEK 69	0	0	1	0	0	0	0
WEEK 76	0	1	0	0	0	0	0
WEEK 79	0	0	1	0	0	0	0
WEEK 89	0	0	0	0	0	0	0
WEEK 95	0	0	0	0	0	1	0
WEEK 97	0	1	0	0	0	0	0
WEEK 105	2	0	0	0	0	0	0
DORSAL-CERVICAL-LEFT							
WEEK 105	0	0	1	0	0	0	0
EAR-LEFT							
WEEK 47	0	1	0	0	0	0	0
WEEK 65	0	0	0	0	0	1	0
WEEK 93	1	0	0	0	0	0	0
HEAD-MAXILLARY-LEFT							
WEEK 76	0	1	0	0	0	0	0
WEEK 89	0	0	0	0	0	0	0

Table 6

Summary of Mass Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DAYS 1-732

NUMBER OF ANIMALS AFFECTED

SEX:	MALE						
GROUP:	1	2	3	4	5	6	7
CATEGORY / DOSE:	0	3	30	100	300	100	300
KEYWORD / QUALIFIER / NUMBER:	70	60	60	70	70	40	40
WART LIKE LESION(S)							
HEAD-MAXILLARY-RIGHT							
WEEK 67	0	0	0	0	0	0	0
MOUTH							
WEEK 21	0	0	0	0	0	0	0
WEEK 23	0	0	0	0	0	0	0
WEEK 31	0	0	0	0	0	0	0
WEEK 52	0	0	0	0	0	0	0
WEEK 83	0	0	0	0	0	1	0
WEEK 87	0	1	0	0	0	0	0
WEEK 91	0	1	0	0	0	0	0
WEEK 95	0	0	0	1	0	0	0
NOSE							
WEEK 79	0	0	0	0	0	1	0
PAW-FRONT-LEFT							
WEEK 95	1	0	0	0	0	0	0
PAW-FRONT-RIGHT							
WEEK 95	1	0	0	0	0	0	0
PAW-HIND-LEFT							
WEEK 89	0	0	1	0	0	0	0
PAW-HIND-RIGHT							
WEEK 34	0	1	0	0	0	0	0
SHOULDER-LEFT							
WEEK 37	0	0	1	0	0	0	0
TAIL							
WEEK 19	0	1	0	0	0	0	0

Table 6

Summary of Mass Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DAYS 1-732		NUMBER OF ANIMALS AFFECTED						
	SEX:	MALE						
	GROUP:	1	2	3	4	5	6	7
CATEGORY	DOSE:	0	3	30	100	300	100	300
KEYWORD								
QUALIFIER	NUMBER:	70	60	60	70	70	40	40
WART LIKE LESION(S)								
TAIL								
WEEK 22		0	1	2	0	0	0	0
WEEK 82		1	0	0	0	0	0	0
WEEK 93		0	1	0	0	0	0	0
WEEK 104		0	1	0	0	0	0	0
TAIL-PROXIMAL								
WEEK 88		0	0	0	0	0	0	0
VENTRAL-ABDOMINAL								
WEEK 64		0	0	0	0	0	1	0
WEEK 69		0	1	0	0	0	0	0
WEEK 76		0	0	0	0	0	1	0
WEEK 85		0	1	0	0	0	0	0
VENTRAL-ABDOMINAL-LEFT								
WEEK 79		0	1	0	0	0	0	0
VENTRAL-THORACIC								
WEEK 46		0	0	0	0	0	0	0
VENTRAL-THORACIC-RIGHT								
WEEK 69		1	0	0	0	0	0	0
WEEK 84		0	1	0	0	0	0	0
WEEK 87		0	1	0	0	0	0	0

Table 6

Summary of Mass Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

NUMBER OF ANIMALS AFFECTED

DAYS 1-732

	SEX:	FEMALE						
	GROUP:	1	2	3	4	5	6	7
CATEGORY	DOSE:	0	3	30	100	300	100	300
KEYWORD								
QUALIFIER	NUMBER:	70	60	60	70	70	40	40
*** TOP OF LIST ***								
MASS(ES)								
AXILLARY REGION-LEFT								
WEEK 26		1	0	0	0	0	0	0
WEEK 33		0	0	1	0	0	0	0
WEEK 43		0	0	1	0	0	0	0
WEEK 47		0	1	0	0	0	0	0
WEEK 56		1	0	0	0	0	0	0
WEEK 58		1	0	1	0	0	0	0
WEEK 59		1	1	0	0	0	0	0
WEEK 61		0	0	0	0	0	0	0
WEEK 63		1	0	0	1	0	0	0
WEEK 64		0	0	1	0	0	0	0
WEEK 65		1	0	0	0	0	0	0
WEEK 68		0	2	0	0	0	0	0
WEEK 71		1	0	1	0	0	1	0
WEEK 74		2	0	1	1	0	0	0
WEEK 75		1	0	1	0	0	0	0
WEEK 78		0	0	0	0	0	1	0
WEEK 81		0	0	1	0	0	0	0
WEEK 82		1	0	1	0	0	0	0
WEEK 84		0	0	1	0	0	0	0
WEEK 85		1	1	0	1	0	0	0
WEEK 86		0	0	0	1	0	0	0
WEEK 87		0	0	1	0	0	1	0
WEEK 88		0	0	0	0	0	0	0
WEEK 89		0	0	0	0	0	0	0

Table 6

Summary of Mass Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DAYS 1-732	NUMBER OF ANIMALS AFFECTED						
SEX:	FEMALE						
GROUP:	1	2	3	4	5	6	7
CATEGORY / DOSE:	0	3	30	100	300	100	300
KEYWORD / QUALIFIER / NUMBER:	70	60	60	70	70	40	40
MASS(ES)							
AXILLARY REGION-LEFT							
WEEK 92	0	1	0	1	0	0	0
WEEK 97	1	0	1	0	0	0	0
WEEK 99	1	0	0	0	0	0	0
WEEK 100	0	0	0	1	0	0	0
WEEK 105	0	0	1	0	0	0	0
AXILLARY REGION-RIGHT							
WEEK 31	0	0	1	0	0	0	0
WEEK 35	0	1	0	0	0	0	0
WEEK 38	2	2	0	0	0	0	0
WEEK 45	0	0	0	1	0	0	0
WEEK 47	1	0	0	0	0	0	0
WEEK 48	0	0	0	1	0	0	0
WEEK 52	0	0	2	1	0	0	0
WEEK 56	1	0	0	0	0	0	0
WEEK 60	1	1	0	0	0	0	0
WEEK 67	1	0	0	0	0	0	0
WEEK 68	1	0	0	0	0	1	0
WEEK 71	1	1	0	0	0	0	0
WEEK 74	0	2	0	0	0	0	0
WEEK 76	1	1	0	0	0	0	0
WEEK 82	0	1	1	0	0	0	0
WEEK 84	0	1	0	1	0	0	0
WEEK 85	1	0	2	1	0	0	0
WEEK 87	1	1	1	0	0	0	0

Table 6

Summary of Mass Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

NUMBER OF ANIMALS AFFECTED

DAYS 1-732

SEX:	FEMALE						
GROUP:	1	2	3	4	5	6	7
CATEGORY / DOSE:	0	3	30	100	300	100	300
KEYWORD / QUALIFIER / NUMBER:	70	60	60	70	70	40	40
MASS(ES)							
AXILLARY REGION-RIGHT							
WEEK 88	1	0	0	0	0	0	0
WEEK 89	0	0	1	1	0	0	0
WEEK 91	0	0	0	0	0	0	0
WEEK 92	0	0	0	0	0	1	0
WEEK 93	0	1	2	0	0	0	0
WEEK 96	0	0	1	0	0	0	0
WEEK 97	0	0	1	0	0	0	0
WEEK 99	0	0	1	0	0	0	0
WEEK 102	1	0	0	0	0	0	0
WEEK 105	0	0	1	0	0	0	0
DORSAL							
WEEK 49	0	0	0	0	0	0	0
WEEK 56	0	0	0	0	0	0	0
WEEK 64	0	0	0	0	0	0	0
WEEK 68	0	0	0	1	0	0	0
WEEK 76	0	0	0	0	0	0	0
WEEK 82	1	0	0	0	0	0	0
WEEK 90	0	0	1	1	0	0	0
WEEK 98	0	0	0	0	0	0	0
WEEK 99	0	0	0	1	0	0	0
WEEK 103	0	0	0	1	0	0	0
WEEK 105	0	0	0	0	0	0	0
DORSAL-CERVICAL-LEFT							
WEEK 80	0	0	0	1	0	0	0

Table 6

Summary of Mass Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DAYS 1-732	NUMBER OF ANIMALS AFFECTED						
SEX:	FEMALE						
GROUP:	1	2	3	4	5	6	7
CATEGORY / DOSE:	0	3	30	100	300	100	300
KEYWORD / QUALIFIER / NUMBER:	70	60	60	70	70	40	40
MASS(ES)							
DORSAL-CERVICAL-LEFT							
WEEK 82	0	0	1	0	0	0	0
HEAD-MAXILLARY-LEFT							
WEEK 80	0	0	1	0	0	0	0
WEEK 82	0	0	0	0	0	0	0
HEAD-MAXILLARY-RIGHT							
WEEK 17	0	0	0	1	0	0	0
WEEK 48	0	0	0	1	0	0	0
WEEK 51	0	0	0	0	0	0	0
WEEK 61	0	0	0	0	0	0	0
INGUINAL REGION-LEFT							
WEEK 64	1	2	0	0	0	0	0
WEEK 75	0	1	1	0	0	0	0
WEEK 76	1	0	1	0	0	0	0
WEEK 80	0	0	1	1	0	0	0
WEEK 81	0	0	1	0	0	0	0
WEEK 84	0	2	1	0	0	0	0
WEEK 86	0	2	0	0	0	0	0
WEEK 87	1	1	0	0	0	1	0
WEEK 88	0	0	1	0	0	0	0
WEEK 89	0	1	0	0	0	0	0
WEEK 92	0	0	0	0	0	1	0
WEEK 93	0	0	1	0	0	0	0
WEEK 94	0	1	0	0	0	0	0
WEEK 98	0	0	0	0	0	1	0

Table 6

Summary of Mass Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DAYS 1-732	NUMBER OF ANIMALS AFFECTED						
SEX:	FEMALE						
GROUP:	1	2	3	4	5	6	7
CATEGORY / DOSE:	0	3	30	100	300	100	300
KEYWORD / QUALIFIER / NUMBER:	70	60	60	70	70	40	40
MASS(ES)							
INGUINAL REGION-LEFT							
WEEK 105	0	0	1	1	0	0	0
INGUINAL REGION-RIGHT							
WEEK 72	1	1	0	0	0	0	0
WEEK 74	0	1	0	0	0	0	0
WEEK 75	0	0	0	0	0	0	0
WEEK 76	1	1	0	0	0	0	0
WEEK 80	0	1	0	0	0	0	0
WEEK 83	0	1	0	0	0	0	0
WEEK 84	0	2	0	0	0	1	0
WEEK 86	0	0	1	0	0	0	0
WEEK 87	1	1	0	0	0	0	0
WEEK 89	0	0	1	0	0	0	0
WEEK 92	0	0	1	0	0	0	0
WEEK 93	0	1	0	0	0	0	0
WEEK 94	1	0	0	0	0	0	0
WEEK 97	0	1	0	0	0	0	0
WEEK 98	1	1	0	0	0	0	0
LIMB-HIND-LEFT							
WEEK 25	1	0	0	0	0	0	0
WEEK 76	0	0	0	0	0	0	0
LIMB-HIND-RIGHT							
WEEK 71	1	0	0	0	0	0	0
WEEK 98	0	0	0	0	0	0	0

Table 6

Summary of Mass Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

NUMBER OF ANIMALS AFFECTED

DAYS 1-732

SEX:	FEMALE						
GROUP:	1	2	3	4	5	6	7
CATEGORY / DOSE:	0	3	30	100	300	100	300
KEYWORD / QUALIFIER / NUMBER:	70	60	60	70	70	40	40
MASS(ES)							
MOUTH							
WEEK 20	0	0	0	0	0	0	0
WEEK 56	0	0	0	0	0	1	0
WEEK 67	0	0	0	0	0	0	0
WEEK 70	0	0	0	1	0	0	0
WEEK 71	1	0	0	0	0	0	0
WEEK 82	0	0	0	0	0	0	0
WEEK 85	0	1	0	0	0	0	0
WEEK 104	0	0	0	0	0	0	0
SHOULDER-LEFT							
WEEK 40	0	0	0	0	0	0	0
TAIL-PROXIMAL							
WEEK 86	0	0	1	0	0	0	0
VENTRAL-ABDOMINAL							
WEEK 33	0	0	0	1	0	0	0
WEEK 35	0	2	0	0	0	1	0
WEEK 40	0	1	0	0	0	0	0
WEEK 44	0	0	0	0	0	1	0
WEEK 49	0	1	0	0	0	0	0
WEEK 51	1	1	0	0	0	0	0
WEEK 57	0	0	1	0	0	0	0
WEEK 59	0	0	0	0	0	1	0
WEEK 62	0	0	0	0	0	1	0
WEEK 72	0	0	1	0	0	0	0
WEEK 74	0	0	0	0	0	1	0

Table 6

Summary of Mass Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DAYS 1-732

NUMBER OF ANIMALS AFFECTED

SEX:	FEMALE						
GROUP:	1	2	3	4	5	6	7
CATEGORY / DOSE:	0	3	30	100	300	100	300
KEYWORD / QUALIFIER / NUMBER:	70	60	60	70	70	40	40
MASS(ES)							
VENTRAL-ABDOMINAL							
WEEK 77	0	0	0	0	0	0	0
WEEK 82	0	1	0	0	0	0	0
WEEK 83	0	0	0	0	0	0	0
WEEK 85	0	0	0	1	0	0	0
WEEK 88	0	1	0	0	0	0	0
WEEK 90	1	0	1	0	0	0	0
WEEK 92	0	1	0	0	0	0	0
WEEK 95	1	0	0	0	0	0	0
WEEK 102	0	0	0	0	0	1	0
VENTRAL-ABDOMINAL-LEFT							
WEEK 21	0	0	0	0	0	0	0
WEEK 22	0	0	1	0	0	0	0
WEEK 37	0	0	0	0	0	0	0
WEEK 45	1	0	0	0	0	0	0
WEEK 46	0	1	0	0	0	1	0
WEEK 49	0	1	0	0	0	0	0
WEEK 51	0	0	0	0	0	1	0
WEEK 53	0	0	1	0	0	0	0
WEEK 57	0	0	1	0	0	0	0
WEEK 61	0	0	0	0	0	1	0
WEEK 62	0	0	1	0	0	0	0
WEEK 64	0	1	0	0	0	0	0
WEEK 67	0	0	0	1	0	1	0
WEEK 71	0	1	1	1	0	0	0

Table 6

Summary of Mass Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DAYS 1-732	NUMBER OF ANIMALS AFFECTED						
SEX:	FEMALE						
GROUP:	1	2	3	4	5	6	7
CATEGORY / DOSE:	0	3	30	100	300	100	300
KEYWORD / QUALIFIER / NUMBER:	70	60	60	70	70	40	40
MASS(ES)							
VENTRAL-ABDOMINAL-LEFT							
WEEK 72	0	0	1	0	0	0	0
WEEK 74	0	0	0	1	0	0	0
WEEK 75	0	1	0	0	0	0	0
WEEK 76	0	0	0	0	0	0	0
WEEK 82	0	2	0	0	0	0	0
WEEK 84	0	0	0	2	0	0	0
WEEK 85	0	0	0	1	0	0	0
WEEK 86	1	0	0	0	0	0	0
WEEK 99	0	0	1	0	0	0	0
WEEK 100	0	0	1	0	0	0	0
WEEK 105	0	0	1	0	0	0	0
VENTRAL-ABDOMINAL-RIGHT							
WEEK 29	0	0	0	0	0	0	0
WEEK 32	1	0	0	0	0	0	0
WEEK 36	1	0	0	0	0	0	0
WEEK 38	0	0	1	0	0	0	0
WEEK 40	0	0	1	0	0	0	0
WEEK 49	0	2	0	0	0	0	0
WEEK 51	1	0	1	1	0	1	0
WEEK 53	0	0	1	0	0	0	0
WEEK 56	0	1	0	0	0	0	0
WEEK 62	0	0	2	0	0	0	0
WEEK 66	0	0	0	0	0	1	0
WEEK 70	0	1	0	0	0	0	0

Table 6

Summary of Mass Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DAYS 1-732		NUMBER OF ANIMALS AFFECTED						
	SEX:	FEMALE						
	GROUP:	1	2	3	4	5	6	7
CATEGORY	DOSE:	0	3	30	100	300	100	300
KEYWORD								
QUALIFIER	NUMBER:	70	60	60	70	70	40	40
MASS(ES)								
VENTRAL-ABDOMINAL-RIGHT								
WEEK 72		0	0	0	0	0	1	0
WEEK 81		0	0	0	0	0	0	0
WEEK 82		0	0	1	0	0	0	0
WEEK 84		0	0	0	0	0	1	0
WEEK 85		0	0	0	1	0	0	0
WEEK 88		0	0	0	1	0	0	0
WEEK 91		1	0	0	0	0	0	0
WEEK 94		0	0	0	1	0	0	0
WEEK 97		0	1	0	1	0	0	0
WEEK 98		1	0	0	0	0	0	0
WEEK 100		0	0	0	1	0	0	0
WEEK 105		0	1	0	0	0	0	0
VENTRAL-CERVICAL								
WEEK 62		1	0	1	0	0	0	0
WEEK 64		0	1	0	0	0	0	0
WEEK 68		0	0	1	0	0	0	0
WEEK 73		0	0	0	1	0	0	0
WEEK 75		0	0	0	1	0	0	0
WEEK 80		0	0	0	0	0	0	0
WEEK 95		0	1	0	0	0	0	0
WEEK 100		1	0	0	0	0	0	0
VENTRAL-CERVICAL-LEFT								
WEEK 43		0	0	0	0	0	1	0
WEEK 46		0	0	1	0	0	0	0

Table 6

Summary of Mass Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DAYS 1-732		NUMBER OF ANIMALS AFFECTED						
	SEX:	FEMALE						
	GROUP:	1	2	3	4	5	6	7
CATEGORY	DOSE:	0	3	30	100	300	100	300
KEYWORD								
QUALIFIER	NUMBER:	70	60	60	70	70	40	40
MASS(ES)								
VENTRAL-CERVICAL-LEFT								
WEEK 48		0	0	0	0	0	1	0
WEEK 61		0	0	0	1	0	0	0
WEEK 79		0	0	0	0	0	1	0
WEEK 87		0	0	0	0	0	1	0
WEEK 88		1	0	0	0	0	0	0
VENTRAL-CERVICAL-RIGHT								
WEEK 43		0	0	0	1	0	0	0
WEEK 61		0	0	0	1	0	0	0
WEEK 78		0	1	0	0	0	0	0
WEEK 105		0	0	1	0	0	0	0
VENTRAL-THORACIC								
WEEK 42		0	0	0	0	0	0	0
WEEK 54		0	0	0	1	0	0	0
WEEK 81		0	0	1	0	0	0	0
VENTRAL-THORACIC-LEFT								
WEEK 67		0	0	0	2	0	0	0
WEEK 79		0	0	1	0	0	0	0
WEEK 95		0	0	0	0	0	0	0
WEEK 101		1	0	0	0	0	0	0
VENTRAL-THORACIC-RIGHT								
WEEK 75		0	0	0	0	0	1	0
WEEK 84		0	1	0	0	0	0	0
HEAD								
WEEK 82		0	1	0	0	0	0	0

Table 6

Summary of Mass Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DAYS 1-732

NUMBER OF ANIMALS AFFECTED

SEX:	FEMALE						
GROUP:	1	2	3	4	5	6	7
CATEGORY / DOSE:	0	3	30	100	300	100	300
KEYWORD / QUALIFIER / NUMBER:	70	60	60	70	70	40	40
MASS(ES)							
HEAD							
WEEK 86	1	0	0	0	0	0	0
WEEK 102	0	0	0	0	0	0	0
WART LIKE LESION(S)							
DORSAL							
WEEK 47	0	0	0	0	0	0	0
WEEK 51	0	0	0	0	0	0	0
WEEK 61	0	0	0	0	0	0	0
WEEK 69	0	0	0	0	0	0	0
WEEK 76	0	0	0	0	0	0	0
WEEK 79	0	0	0	0	0	0	0
WEEK 89	0	0	0	1	0	0	0
WEEK 95	0	0	0	0	0	0	0
WEEK 97	0	0	0	0	0	0	0
WEEK 105	0	0	0	0	0	0	0
DORSAL-CERVICAL-LEFT							
WEEK 105	0	0	0	0	0	0	0
EAR-LEFT							
WEEK 47	0	0	0	0	0	0	0
WEEK 65	0	0	0	0	0	0	0
WEEK 93	0	0	0	0	0	0	0
HEAD-MAXILLARY-LEFT							
WEEK 76	0	0	0	0	0	0	0
WEEK 89	1	0	0	0	0	0	0

Table 6

Summary of Mass Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DAYS 1-732

NUMBER OF ANIMALS AFFECTED

SEX:	FEMALE						
GROUP:	1	2	3	4	5	6	7
CATEGORY / DOSE:	0	3	30	100	300	100	300
KEYWORD / QUALIFIER / NUMBER:	70	60	60	70	70	40	40
WART LIKE LESION(S)							
HEAD-MAXILLARY-RIGHT							
WEEK 67	0	1	0	0	0	0	0
MOUTH							
WEEK 21	1	0	0	0	0	0	0
WEEK 23	0	0	0	1	0	0	0
WEEK 31	0	0	0	1	0	0	0
WEEK 52	0	1	0	0	0	0	0
WEEK 83	0	0	0	0	0	0	0
WEEK 87	0	0	0	0	0	0	0
WEEK 91	0	0	0	0	0	0	0
WEEK 95	0	0	0	0	0	0	0
NOSE							
WEEK 79	0	0	0	0	0	0	0
PAW-FRONT-LEFT							
WEEK 95	0	0	0	0	0	0	0
PAW-FRONT-RIGHT							
WEEK 95	0	0	0	0	0	0	0
PAW-HIND-LEFT							
WEEK 89	0	0	0	0	0	0	0
PAW-HIND-RIGHT							
WEEK 34	0	0	0	0	0	0	0
SHOULDER-LEFT							
WEEK 37	0	0	0	0	0	0	0
TAIL							
WEEK 19	0	0	0	0	0	0	0

Table 6

Summary of Mass Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DAYS 1-732

NUMBER OF ANIMALS AFFECTED

SEX:	FEMALE						
GROUP:	1	2	3	4	5	6	7
CATEGORY / DOSE:	0	3	30	100	300	100	300
KEYWORD / QUALIFIER / NUMBER:	70	60	60	70	70	40	40
WART LIKE LESION(S)							
TAIL							
WEEK 22	0	0	0	0	0	0	0
WEEK 82	0	0	0	0	0	0	0
WEEK 93	0	0	0	0	0	0	0
WEEK 104	0	0	0	0	0	0	0
TAIL-PROXIMAL							
WEEK 88	0	0	0	1	0	0	0
VENTRAL-ABDOMINAL							
WEEK 64	0	0	0	0	0	0	0
WEEK 69	0	0	0	0	0	0	0
WEEK 76	0	0	0	0	0	0	0
WEEK 85	0	0	0	0	0	0	0
VENTRAL-ABDOMINAL-LEFT							
WEEK 79	0	0	0	0	0	0	0
VENTRAL-THORACIC							
WEEK 46	0	0	1	0	0	0	0
VENTRAL-THORACIC-RIGHT							
WEEK 69	0	0	0	0	0	0	0
WEEK 84	0	0	0	0	0	0	0
WEEK 87	0	0	0	0	0	0	0

*** END OF LIST ***

Table 7

Summary of Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

	SEX:	MALE						
	GROUP:	1	2	3	4	5	6	7
	DOSE:	0	3	30	100	300	100	300
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM	PPM
1	N	70	60	60	70	69	40	40
	MEAN	261	260	260	258	257	254	256
	S.D.	20.4	19.9	20.5	19.2	19.0	17.8	19.2
2	N	70	60	60	70	70	40	40
	MEAN	308	307	302	298 *	288 *	296 *	286 *
	S.D.	23.1	22.5	24.5	21.7	23.0	20.0	21.2
3	N	70	60	60	70	70	40	40
	MEAN	350	351	344	337 *	318 *	334 *	313 *
	S.D.	25.7	26.6	29.9	25.3	25.9	24.2	24.0
4	N	70	60	60	70	70	40	40
	MEAN	387	389	379	367 *	338 *	364 *	334 *
	S.D.	29.0	29.9	34.8	28.3	28.8	27.8	27.3
5	N	65	55	55	65	64	40	40
	MEAN	417	416	404	393 *	355 *	391 *	351 *
	S.D.	31.5	31.5	38.2	30.5	31.8	32.5	30.3
6	N	65	55	55	65	65	40	40
	MEAN	444	444	431	418 *	370 *	416 *	366 *
	S.D.	33.6	33.9	40.5	33.6	35.3	36.2	33.1
7	N	65	55	55	65	65	40	39
	MEAN	467	467	450	436 *	380 *	427 *	374 *
	S.D.	37.0	37.1	42.6	35.5	37.6	42.8	33.9

Table 7

Summary of Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

	SEX:	MALE						
	GROUP:	1	2	3	4	5	6	7
	DOSE:	0	3	30	100	300	100	300
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM	PPM
8	N	65	55	55	65	63	39	39
	MEAN	483	480	464 *	449 *	386 *	448 *	384 *
	S.D.	39.5	40.0	43.4	39.4	42.4	44.8	38.5
9	N	60	54	55	65	0	39	0
	MEAN	504	507	483 *	465 *		464 *	
	S.D.	43.4	40.2	45.9	40.9		51.0	
10	N	60	54	55	65	0	39	0
	MEAN	521	524	497 *	477 *		473 *	
	S.D.	45.1	41.1	49.3	41.8		57.6	
11	N	60	54	55	65	0	39	0
	MEAN	532	537	510 *	486 *		484 *	
	S.D.	45.4	43.3	49.8	43.7		62.4	
12	N	60	54	55	65	0	39	0
	MEAN	543	550	522	496 *		496 *	
	S.D.	46.8	44.6	51.5	46.9		64.9	
13	N	60	54	55	65	0	38	0
	MEAN	553	559	531	504 *		515 *	
	S.D.	47.7	48.3	52.7	51.2		44.9	
14	N	60	54	55	64	0	38	0
	MEAN	563	567	538 *	513 *		522 *	
	S.D.	50.1	48.0	54.5	45.3		45.5	

Table 7

Summary of Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

	SEX:	MALE						
	GROUP:	1	2	3	4	5	6	7
	DOSE:	0	3	30	100	300	100	300
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM	PPM
15	N	55	49	50	59	0	38	0
	MEAN	569	574	540 *	519 *		528 *	
	S.D.	51.8	50.9	51.9	45.8		47.5	
16	N	55	49	50	59	0	38	0
	MEAN	578	585	547 *	528 *		536 *	
	S.D.	52.9	52.3	53.1	45.6		48.4	
17	N	55	49	50	59	0	38	0
	MEAN	590	595	557 *	536 *		546 *	
	S.D.	55.0	54.0	53.4	46.4		50.2	
21	N	55	49	50	59	0	38	0
	MEAN	619	625	582 *	555 *		567 *	
	S.D.	58.8	58.3	57.0	51.4		55.5	
25	N	55	49	50	59	0	38	0
	MEAN	644	651	603 *	572 *		582 *	
	S.D.	62.8	64.2	62.1	51.3		60.7	
29	N	55	49	50	59	0	38	0
	MEAN	663	668	618 *	590 *		602 *	
	S.D.	67.1	69.6	66.5	54.7		64.8	
33	N	55	49	50	59	0	38	0
	MEAN	678	682	634 *	599 *		612 *	
	S.D.	71.5	72.0	70.2	57.5		64.5	

Table 7

Summary of Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

WEEK		SEX: MALE						
	GROUP:	1	2	3	4	5	6	7
	DOSE:	0	3	30	100	300	100	300
	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM	PPM
37	N	55	48	50	59	0	38	0
	MEAN	694	701	646 *	610 *		623 *	
	S.D.	77.1	75.1	74.0	57.6		67.4	
41	N	55	48	50	59	0	38	0
	MEAN	700	714	653 *	619 *		632 *	
	S.D.	71.4	75.2	77.1	60.1		68.2	
45	N	54	48	50	58	0	37	0
	MEAN	723	740	678 *	639 *		650 *	
	S.D.	76.2	82.8	82.6	64.9		76.4	
49	N	54	48	50	58	0	37	0
	MEAN	741	758	698 *	654 *		666 *	
	S.D.	78.3	91.5	87.5	68.7		80.4	
53	N	54	48	50	58	0	36	0
	MEAN	762	777	716 *	672 *		688 *	
	S.D.	81.9	95.0	92.5	68.4		86.3	
57	N	49	48	48	48	0	36	0
	MEAN	769	777	726	683 *		707 *	
	S.D.	87.5	118.4	87.5	68.7		93.6	
61	N	49	45	48	47	0	36	0
	MEAN	781	802	739	689 *		721 *	
	S.D.	92.9	121.7	96.7	76.1		114.9	

Table 7

Summary of Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

WEEK	SEX:	MALE						
	GROUP:	1	2	3	4	5	6	7
	DOSE:	0	3	30	100	300	100	300
	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM	PPM
65	N	46	44	47	45	0	34	0
	MEAN	787	815	742	695 *		747	
	S.D.	98.7	117.5	104.0	72.9		95.5	
69	N	44	43	46	44	0	33	0
	MEAN	789	813	737	685 *		767	
	S.D.	104.8	129.4	112.6	93.7		103.5	
73	N	40	41	41	41	0	33	0
	MEAN	811	829	757	707 *		784	
	S.D.	98.5	128.1	99.1	95.7		115.4	
77	N	40	40	38	38	0	32	0
	MEAN	799	827	746	719 *		789	
	S.D.	123.4	128.2	114.3	93.0		127.8	
81	N	36	37	34	36	0	30	0
	MEAN	799	820	753	725 *		780	
	S.D.	120.9	137.6	121.4	88.7		144.0	
85	N	35	33	32	35	0	24	0
	MEAN	791	837	772	721 *		754	
	S.D.	134.2	130.2	95.1	90.5		151.5	
89	N	30	32	32	31	0	21	0
	MEAN	791	840	763	724		760	
	S.D.	134.6	134.2	102.7	97.4		154.9	

Table 7

Summary of Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

	SEX:	MALE						
	GROUP:	1	2	3	4	5	6	7
	DOSE:	0	3	30	100	300	100	300
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM	PPM
93	N	27	30	29	29	0	19	0
	MEAN	763	828	778	735		758	
	S.D.	165.6	145.8	109.4	93.7		170.7	
97	N	21	27	27	26	0	16	0
	MEAN	791	852	757	724		788	
	S.D.	168.3	136.8	132.1	93.4		160.6	
101	N	15	23	24	23	0	12	0
	MEAN	805	821	764	698		802	
	S.D.	161.0	145.5	135.9	99.5		157.7	
105	N	14	22	22	17	0	10	0
	MEAN	795	781	766	688		806	
	S.D.	185.0	173.4	138.2	123.6		179.0	

Table 7

Summary of Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

WEEK	SEX:	FEMALE						
	GROUP:	1	2	3	4	5	6	7
	DOSE:	0	3	30	100	300	100	300
	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM	PPM
1	N	70	60	60	70	70	39	40
	MEAN	165	163	165	164	164	164	163
	S.D.	13.2	13.3	12.9	12.1	12.6	12.5	12.0
2	N	70	60	60	70	70	40	40
	MEAN	188	185	185	181 *	172 *	181	175 *
	S.D.	16.9	14.7	14.4	13.5	13.3	14.1	11.7
3	N	70	60	60	70	70	40	40
	MEAN	211	205	205	200 *	182 *	202	186 *
	S.D.	20.8	18.5	16.5	15.5	15.1	15.8	12.2
4	N	70	60	60	70	70	40	40
	MEAN	229	224	222	215 *	191 *	214 *	196 *
	S.D.	22.3	20.2	18.3	17.1	15.2	15.9	12.7
5	N	65	55	55	65	65	40	40
	MEAN	244	236	233 *	225 *	196 *	223 *	200 *
	S.D.	25.4	21.2	19.9	18.6	16.4	16.7	13.3
6	N	65	55	55	65	65	40	40
	MEAN	258	246	245	235 *	202 *	234 *	206 *
	S.D.	28.3	22.7	21.2	19.4	16.6	17.3	14.4
7	N	65	55	55	65	65	40	40
	MEAN	267	256	253	239 *	205 *	240 *	210 *
	S.D.	30.0	23.8	22.7	19.6	16.5	17.4	13.2

Table 7

Summary of Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

WEEK	SEX:	FEMALE						
	GROUP:	1	2	3	4	5	6	7
	DOSE:	0	3	30	100	300	100	300
	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM	PPM
8	N	65	55	55	65	65	40	40
	MEAN	274	261	258 *	246 *	212 *	243 *	213 *
	S.D.	30.4	24.9	23.6	20.7	17.1	19.4	14.9
9	N	60	55	55	65	0	40	0
	MEAN	283	271	268 *	250 *		250 *	
	S.D.	32.1	25.6	24.1	20.7		18.9	
10	N	60	55	55	65	0	40	0
	MEAN	290	277	273 *	254 *		253 *	
	S.D.	33.6	27.3	25.1	20.3		21.5	
11	N	60	55	55	65	0	40	0
	MEAN	295	281	275 *	256 *		255 *	
	S.D.	35.1	28.7	26.3	21.8		19.9	
12	N	60	55	55	65	0	40	0
	MEAN	302	284	280 *	258 *		259 *	
	S.D.	36.6	28.6	26.7	21.4		20.8	
13	N	60	55	55	65	0	40	0
	MEAN	306	289	284 *	260 *		261 *	
	S.D.	36.3	27.5	26.6	21.7		20.2	
14	N	60	55	55	65	0	40	0
	MEAN	308	292 *	286 *	262 *		264 *	
	S.D.	36.3	27.9	27.7	22.3		20.8	

Table 7

Summary of Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

	SEX:	FEMALE						
	GROUP:	1	2	3	4	5	6	7
	DOSE:	0	3	30	100	300	100	300
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM	PPM
15	N	55	50	50	60	0	40	0
	MEAN	310	295 *	288 *	263 *		266 *	
	S.D.	36.0	29.0	27.9	23.3		21.9	
16	N	55	50	50	59	0	40	0
	MEAN	316	300 *	293 *	266 *		269 *	
	S.D.	36.8	31.0	28.2	23.0		21.7	
17	N	55	50	50	59	0	40	0
	MEAN	320	306	297 *	270 *		272 *	
	S.D.	37.9	30.2	29.3	23.2		22.2	
21	N	55	50	50	59	0	40	0
	MEAN	334	318	311 *	277 *		279 *	
	S.D.	41.9	33.7	32.8	24.8		23.3	
25	N	55	50	50	58	0	40	0
	MEAN	348	334	324 *	286 *		291 *	
	S.D.	47.6	38.7	37.2	26.4		24.5	
29	N	55	50	50	58	0	40	0
	MEAN	361	346	336 *	294 *		299 *	
	S.D.	51.9	42.7	40.2	28.2		26.6	
33	N	55	50	50	58	0	40	0
	MEAN	375	359	349	301 *		307 *	
	S.D.	55.1	48.3	44.1	31.8		30.0	

Table 7

Summary of Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

WEEK	SEX:	FEMALE						
	GROUP:	1	2	3	4	5	6	7
	DOSE:	0	3	30	100	300	100	300
	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM	PPM
37	N	55	50	50	58	0	40	0
	MEAN	384	366	355 *	304 *		313 *	
	S.D.	58.2	48.9	46.4	34.0		32.2	
41	N	55	50	50	58	0	40	0
	MEAN	400	380	370	313 *		323 *	
	S.D.	64.7	52.3	48.2	36.5		34.8	
45	N	55	50	50	58	0	40	0
	MEAN	423	397	388	320 *		332 *	
	S.D.	72.3	59.3	54.0	40.5		38.0	
49	N	54	50	50	58	0	40	0
	MEAN	439	412	396 *	329 *		339 *	
	S.D.	76.0	63.2	55.3	43.1		40.6	
53	N	54	50	50	58	0	40	0
	MEAN	454	425	404 *	338 *		350 *	
	S.D.	82.1	67.9	62.5	48.7		44.3	
57	N	49	49	49	48	0	40	0
	MEAN	465	435	411 *	348 *		368 *	
	S.D.	93.3	69.0	66.3	52.0		49.3	
61	N	48	48	47	47	0	40	0
	MEAN	473	450	426 *	359 *		402 *	
	S.D.	98.7	73.5	70.5	58.1		55.3	

Table 7

Summary of Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

WEEK	SEX:	FEMALE						
	GROUP:	1	2	3	4	5	6	7
	DOSE:	0	3	30	100	300	100	300
	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM	PPM
65	N	45	47	46	45	0	37	0
	MEAN	483	455	430 *	368 *		424 *	
	S.D.	101.3	75.9	75.7	61.2		57.3	
69	N	44	42	44	45	0	37	0
	MEAN	492	470	434 *	371 *		433 *	
	S.D.	100.2	78.5	85.2	65.9		73.9	
73	N	44	42	38	41	0	34	0
	MEAN	487	480	451	381 *		459	
	S.D.	113.9	79.1	92.7	67.7		70.7	
77	N	36	35	34	38	0	31	0
	MEAN	500	486	469	377 *		474	
	S.D.	116.1	87.4	85.8	71.0		65.8	
81	N	32	33	34	35	0	29	0
	MEAN	513	502	469	381 *		480	
	S.D.	115.0	85.4	93.6	77.1		80.8	
85	N	30	31	30	34	0	26	0
	MEAN	506	501	483	382 *		473	
	S.D.	110.8	97.5	94.6	75.7		91.2	
89	N	27	26	27	29	0	22	0
	MEAN	496	504	484	387 *		480	
	S.D.	115.1	96.9	94.3	72.9		115.1	

Table 7

Summary of Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

	SEX:	FEMALE						
	GROUP:	1	2	3	4	5	6	7
	DOSE:	0	3	30	100	300	100	300
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM	PPM
93	N	22	24	25	29	0	20	0
	MEAN	515	495	496	390 *		502	
	S.D.	117.2	94.6	103.3	76.0		106.0	
97	N	17	21	22	27	0	15	0
	MEAN	513	488	515	375 *		527	
	S.D.	105.9	94.3	88.4	87.4		102.2	
101	N	15	14	17	23	0	12	0
	MEAN	515	511	535	385 *		519	
	S.D.	110.1	98.2	104.1	86.0		89.4	
105	N	13	13	15	19	0	12	0
	MEAN	492	526	534	403		522	
	S.D.	113.3	94.0	114.9	94.5		96.3	

Table 8

Summary of Body Weight Change Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

	SEX:	MALE						
	GROUP:	1	2	3	4	5	6	7
	DOSE:	0	3	30	100	300	100	300
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM	PPM
1-15	N	55	49	50	59	0	38	0
	MEAN	306	314	281 *	261 *		273 *	
	S.D.	39.7	38.5	37.6	33.8		38.8	
15-29	N	55	49	50	59	0	38	0
	MEAN	94	94	78 *	71 *		74 *	
	S.D.	23.8	26.2	23.9	17.0		26.4	
29-57	N	49	48	48	48	0	36	0
	MEAN	110	106	109	92		110	
	S.D.	35.4	70.9	44.1	38.2		45.2	
57-105	N	14	22	22	17	0	10	0
	MEAN	48	-11	69	30		122	
	S.D.	137.3	144.4	89.8	131.5		109.8	
1-105	N	14	22	22	17	0	10	0
	MEAN	540	524	512	434		551	
	S.D.	185.4	172.2	132.9	125.5		168.2	

Table 8

Summary of Body Weight Change Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

SEX:		FEMALE						
	GROUP:	1	2	3	4	5	6	7
	DOSE:	0	3	30	100	300	100	300
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM	PPM
1-15	N	55	50	50	60	0	39	0
	MEAN	145	131	124 *	97 *		101 *	
	S.D.	29.9	23.8	23.9	19.8		17.0	
15-29	N	55	50	50	58	0	40	0
	MEAN	51	51	48	31 *		34 *	
	S.D.	21.6	19.5	19.2	12.9		13.1	
29-57	N	49	49	49	48	0	40	0
	MEAN	103	88	76 *	54 *		69 *	
	S.D.	47.6	36.1	42.9	31.1		27.8	
57-105	N	13	13	15	19	0	12	0
	MEAN	91	117	105	78		157	
	S.D.	102.8	58.3	74.7	79.6		89.3	
1-105	N	13	13	15	19	0	11	0
	MEAN	328	363	370	237		359	
	S.D.	111.6	93.2	115.5	90.4		97.8	

Table 9

Summary of Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

	SEX:	MALE						
	GROUP:	1	2	3	4	5	6	7
	DOSE:	0	3	30	100	300	100	300
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM	PPM
1	N	68	59	58	69	68	39	38
	MEAN	175	171	172	170	162 *	170	160 *
	S.D.	15.2	15.2	16.6	14.9	15.9	11.3	13.3
2	N	69	59	57	68	68	39	39
	MEAN	180	177	174	168 *	154 *	170 *	151 *
	S.D.	13.3	15.2	17.5	14.8	14.3	14.9	13.2
3	N	65	58	58	67	67	40	38
	MEAN	186	181	176 *	169 *	150 *	171 *	147 *
	S.D.	13.5	16.2	17.6	14.0	14.4	14.1	13.0
4	N	65	54	50	63	63	40	40
	MEAN	191	185	177 *	170 *	147 *	173 *	146 *
	S.D.	15.2	15.7	14.2	13.9	14.6	16.6	17.5
5	N	64	52	54	65	60	39	39
	MEAN	190	188	180 *	172 *	147 *	173 *	145 *
	S.D.	15.6	15.5	16.8	14.3	16.2	16.0	13.9
6	N	62	54	52	64	62	40	39
	MEAN	191	188	179 *	170 *	146 *	170 *	146 *
	S.D.	16.9	15.4	15.9	13.2	15.8	21.1	15.9
7	N	58	53	51	64	59	39	38
	MEAN	192	190	180 *	168 *	145 *	170 *	140 *
	S.D.	17.6	17.0	14.4	18.9	15.9	19.5	24.0

Table 9

Summary of Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

	SEX:	MALE						
	GROUP:	1	2	3	4	5	6	7
	DOSE:	0	3	30	100	300	100	300
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM	PPM
8	N	55	52	53	65	0	38	0
	MEAN	191	189	179 *	170 *		171 *	
	S.D.	18.4	15.2	15.1	14.6		25.4	
9	N	56	52	52	64	0	39	0
	MEAN	187	188	178 *	166 *		167 *	
	S.D.	16.5	16.4	17.7	13.5		27.8	
10	N	60	54	55	65	0	39	0
	MEAN	186	188	178	164 *		166 *	
	S.D.	15.4	18.2	16.8	16.9		26.1	
11	N	58	54	52	64	0	39	0
	MEAN	184	187	177	164 *		169 *	
	S.D.	16.8	16.3	15.5	17.9		25.2	
12	N	56	53	55	64	0	38	0
	MEAN	181	183	174	162 *		171 *	
	S.D.	17.2	15.8	16.2	19.9		15.2	
13	N	58	52	54	63	0	37	0
	MEAN	188	186	178 *	165 *		174 *	
	S.D.	20.7	15.6	16.0	18.4		14.3	
14	N	52	48	48	59	0	38	0
	MEAN	185	184	169 *	168 *		173 *	
	S.D.	17.9	17.6	21.5	15.7		14.6	

Table 9

Summary of Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

	SEX:	MALE						
	GROUP:	1	2	3	4	5	6	7
	DOSE:	0	3	30	100	300	100	300
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM	PPM
15	N	54	49	46	57	0	38	0
	MEAN	191	189	176 *	170 *		175 *	
	S.D.	19.1	17.9	16.9	11.5		15.5	
16	N	51	49	49	59	0	38	0
	MEAN	187	188	178 *	171 *		176 *	
	S.D.	13.1	18.4	17.4	13.1		15.3	
20	N	54	49	48	57	0	38	0
	MEAN	192	194	184	177 *		181 *	
	S.D.	16.7	17.8	15.9	19.2		17.0	
24	N	55	49	50	58	0	38	0
	MEAN	190	189	183	177 *		180 *	
	S.D.	18.2	17.3	16.5	14.2		17.7	
28	N	54	49	49	59	0	37	0
	MEAN	189	176 *	176 *	176 *		178 *	
	S.D.	17.5	24.2	18.1	14.7		16.2	
32	N	55	48	50	57	0	35	0
	MEAN	193	190	187	181 *		181 *	
	S.D.	17.5	28.1	15.8	14.7		18.1	
36	N	55	47	49	59	0	38	0
	MEAN	195	197	188	185 *		187	
	S.D.	20.7	19.0	16.5	17.0		18.6	

Table 9

Summary of Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

	SEX:	MALE						
	GROUP:	1	2	3	4	5	6	7
	DOSE:	0	3	30	100	300	100	300
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM	PPM
40	N	54	46	50	59	0	37	0
	MEAN	204	209	203	195		192 *	
	S.D.	26.8	16.4	19.7	17.8		30.6	
44	N	54	48	50	57	0	37	0
	MEAN	195	196	188	183 *		184 *	
	S.D.	20.1	17.3	18.1	18.3		18.9	
48	N	54	48	50	58	0	37	0
	MEAN	194	196	186	182 *		185	
	S.D.	17.6	18.9	18.0	16.5		18.0	
52	N	54	48	49	58	0	36	0
	MEAN	192	194	186	180 *		183	
	S.D.	17.4	24.0	17.4	17.0		18.4	
56	N	49	48	48	48	0	36	0
	MEAN	187	180	179	180		182	
	S.D.	18.9	43.8	28.0	23.4		25.8	
60	N	48	45	48	47	0	36	0
	MEAN	189	193	184	174		182	
	S.D.	22.1	34.1	28.5	24.1		39.9	
64	N	46	43	45	44	0	34	0
	MEAN	180	189	175	169		183	
	S.D.	32.1	31.8	29.7	27.7		30.3	

Table 9

Summary of Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

	SEX:	MALE						
	GROUP:	1	2	3	4	5	6	7
	DOSE:	0	3	30	100	300	100	300
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM	PPM
68	N	44	42	45	43	0	33	0
	MEAN	182	191	172	164		192	
	S.D.	41.1	36.2	42.6	46.8		20.6	
72	N	40	41	40	39	0	33	0
	MEAN	195	202	183	185		195	
	S.D.	23.5	33.9	35.2	28.7		26.5	
76	N	40	39	38	37	0	32	0
	MEAN	180	184	177	179		187	
	S.D.	45.4	42.4	43.8	34.4		31.2	
80	N	35	33	33	32	0	30	0
	MEAN	194	184	181	184		184	
	S.D.	22.4	54.7	45.5	28.4		46.3	
84	N	32	29	32	33	0	24	0
	MEAN	184	203	189	170		178	
	S.D.	32.3	47.6	26.5	44.6		40.3	
88	N	30	28	32	31	0	21	0
	MEAN	171	190	170	166		169	
	S.D.	38.0	29.3	26.7	28.6		57.7	
92	N	25	27	29	29	0	17	0
	MEAN	155	179	172	164		160	
	S.D.	58.4	32.4	28.9	35.5		40.4	

Table 9

Summary of Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

	SEX:	MALE						
	GROUP:	1	2	3	4	5	6	7
	DOSE:	0	3	30	100	300	100	300
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM	PPM
96	N	20	25	25	24	0	14	0
	MEAN	159	180	154	154		157	
	S.D.	47.2	28.7	43.6	31.3		42.1	
100	N	14	22	24	21	0	9	0
	MEAN	166	162	160	154		168	
	S.D.	41.4	45.5	28.4	25.0		31.3	
104	N	10	19	22	14	0	8	0
	MEAN	177	149	155	163		165	
	S.D.	17.1	43.3	30.7	14.9		17.9	

Table 9

Summary of Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

	SEX:	FEMALE						
	GROUP:	1	2	3	4	5	6	7
	DOSE:	0	3	30	100	300	100	300
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM	PPM
1	N	63	56	54	59	57	36	33
	MEAN	130	124	125	122 *	112 *	121 *	115 *
	S.D.	23.8	15.2	16.0	13.2	14.9	16.0	14.3
2	N	61	55	50	60	63	39	35
	MEAN	132	130	127	125	105 *	122 *	111 *
	S.D.	20.7	15.9	16.6	16.9	15.9	17.8	16.5
3	N	57	53	49	57	62	40	36
	MEAN	136	135	129	124 *	99 *	122 *	101 *
	S.D.	15.5	22.4	16.7	14.9	14.3	14.8	12.3
4	N	55	42	46	57	55	35	36
	MEAN	141	138	134	127 *	96 *	121 *	100 *
	S.D.	15.8	23.0	15.2	15.0	12.5	13.2	13.1
5	N	55	46	50	56	59	40	35
	MEAN	142	134	136	122 *	97 *	122 *	98 *
	S.D.	18.7	15.5	20.3	12.0	16.0	13.8	10.3
6	N	55	42	45	59	58	39	36
	MEAN	138	138	135	121 *	96 *	117 *	98 *
	S.D.	15.8	18.7	19.6	11.5	12.6	13.4	14.6
7	N	53	44	50	61	60	40	38
	MEAN	140	133	130 *	117 *	95 *	116 *	98 *
	S.D.	17.6	14.9	16.9	10.8	11.2	16.2	16.0

Table 9

Summary of Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

	SEX:	FEMALE						
	GROUP:	1	2	3	4	5	6	7
	DOSE:	0	3	30	100	300	100	300
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM	PPM
8	N	52	45	44	57	0	33	0
	MEAN	135	140	136	119 *		120 *	
	S.D.	16.3	23.7	25.0	12.0		16.0	
9	N	54	47	48	60	0	39	0
	MEAN	131	128	127	118 *		114 *	
	S.D.	14.4	19.2	17.3	23.4		13.7	
10	N	51	44	47	60	0	37	0
	MEAN	135	130	127	115 *		114 *	
	S.D.	21.5	19.6	18.4	15.6		10.4	
11	N	52	44	49	62	0	37	0
	MEAN	131	128	131	115 *		116 *	
	S.D.	18.9	22.2	25.6	20.1		13.6	
12	N	54	43	51	62	0	38	0
	MEAN	127	121	128	113 *		114 *	
	S.D.	13.6	13.7	16.5	14.4		16.9	
13	N	56	47	54	64	0	39	0
	MEAN	124	125	125	113 *		111 *	
	S.D.	15.9	21.8	20.3	20.9		14.0	
14	N	52	45	45	57	0	38	0
	MEAN	127	126	124	113 *		112 *	
	S.D.	17.8	22.9	15.6	19.5		11.7	

Table 9

Summary of Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

	SEX:	FEMALE						
	GROUP:	1	2	3	4	5	6	7
	DOSE:	0	3	30	100	300	100	300
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM	PPM
15	N	48	38	42	55	0	39	0
	MEAN	127	125	128	114 *		114 *	
	S.D.	13.4	21.6	16.1	10.8		12.0	
16	N	49	42	44	56	0	38	0
	MEAN	127	127	127	113 *		114 *	
	S.D.	13.6	16.1	19.4	10.5		13.4	
20	N	48	41	47	53	0	38	0
	MEAN	134	132	134	120 *		121 *	
	S.D.	15.4	19.6	21.0	12.0		13.1	
24	N	53	47	47	54	0	38	0
	MEAN	134	140	135	123 *		122 *	
	S.D.	17.1	24.0	20.1	18.1		12.4	
28	N	51	46	45	55	0	39	0
	MEAN	137	136	133	122 *		125 *	
	S.D.	19.3	19.0	14.6	15.1		13.5	
32	N	54	48	48	55	0	36	0
	MEAN	140	143	141	130 *		129 *	
	S.D.	20.7	20.6	21.4	18.0		12.0	
36	N	54	47	49	54	0	37	0
	MEAN	146	149	142	135 *		134 *	
	S.D.	23.1	25.0	19.5	27.0		12.8	

Table 9

Summary of Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

	SEX:	FEMALE						
	GROUP:	1	2	3	4	5	6	7
	DOSE:	0	3	30	100	300	100	300
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM	PPM
40	N	51	48	49	56	0	38	0
	MEAN	158	162	158	148		149	
	S.D.	21.8	21.1	22.4	24.9		15.2	
44	N	54	48	50	56	0	40	0
	MEAN	154	149	150	133 *		137 *	
	S.D.	24.0	20.3	19.6	20.4		20.3	
48	N	53	49	50	56	0	39	0
	MEAN	147	145	142	137 *		135 *	
	S.D.	22.6	19.3	19.9	26.5		14.8	
52	N	54	46	48	55	0	39	0
	MEAN	148	144	137 *	133 *		130 *	
	S.D.	24.8	15.7	25.2	20.8		15.6	
56	N	48	47	47	47	0	39	0
	MEAN	145	138	134	130 *		142	
	S.D.	29.9	17.8	26.7	23.4		17.5	
60	N	46	46	45	44	0	36	0
	MEAN	136	144	136	132		148	
	S.D.	35.9	17.9	21.4	19.8		21.9	
64	N	45	46	45	43	0	36	0
	MEAN	142	136	136	128		141	
	S.D.	30.7	34.6	19.1	17.7		20.7	

Table 9

Summary of Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

	SEX:	FEMALE						
	GROUP:	1	2	3	4	5	6	7
	DOSE:	0	3	30	100	300	100	300
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM	PPM
68	N	44	40	44	45	0	37	0
	MEAN	147	148	141	133		146	
	S.D.	32.0	19.7	30.9	32.9		36.5	
72	N	44	40	38	39	0	34	0
	MEAN	139	150	145	134		159 *	
	S.D.	43.0	25.7	23.5	19.9		24.2	
76	N	36	33	33	37	0	31	0
	MEAN	160	155	146	136 *		153	
	S.D.	37.8	25.3	26.4	29.5		34.9	
80	N	30	28	32	32	0	29	0
	MEAN	164	153	147	137 *		154	
	S.D.	27.2	38.6	30.3	28.6		33.0	
84	N	28	28	29	31	0	26	0
	MEAN	154	151	143	132		147	
	S.D.	39.8	33.2	35.6	29.8		30.4	
88	N	26	25	26	27	0	20	0
	MEAN	143	140	135	125		153	
	S.D.	35.3	27.0	44.6	23.6		31.5	
92	N	20	24	23	29	0	20	0
	MEAN	137	127	139	125		133	
	S.D.	33.8	48.7	27.7	35.3		39.2	

Table 9

Summary of Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

	SEX:	FEMALE						
	GROUP:	1	2	3	4	5	6	7
	DOSE:	0	3	30	100	300	100	300
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM	PPM
96	N	16	20	22	24	0	14	0
	MEAN	144	126	134	114 *		151	
	S.D.	33.5	37.8	23.6	39.0		34.8	
100	N	14	14	17	23	0	12	0
	MEAN	133	128	128	128		144	
	S.D.	27.2	30.6	26.7	35.9		35.5	
104	N	13	13	15	18	0	12	0
	MEAN	128	136	127	124		152	
	S.D.	48.8	10.7	30.7	31.9		26.2	

Table 10

Summary of Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

	SEX:	MALE					
	GROUP:	2	3	4	5	6	7
	DOSE:	3	30	100	300	100	300
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM
1	N	59	58	69	68	39	38
	MEAN	0.259	2.618	8.724	25.408	8.873	25.193
	S.D.	0.016	0.170	0.561	1.919	0.572	1.230
2	N	59	57	68	68	39	39
	MEAN	0.231	2.323	7.544	21.735	7.707	21.759
	S.D.	0.012	0.166	0.467	1.585	0.503	1.462
3	N	58	58	67	67	40	38
	MEAN	0.210	2.088	6.864	19.533	6.988	19.559
	S.D.	0.011	0.123	0.306	1.195	0.339	0.920
4	N	54	50	63	62	40	40
	MEAN	0.197	1.953	6.393	18.112	6.533	18.294
	S.D.	0.011	0.108	0.280	0.938	0.338	1.663
5	N	52	54	65	59	39	39
	MEAN	0.187	1.852	6.067	17.253	6.135	17.415
	S.D.	0.009	0.115	0.300	0.987	0.341	0.733
6	N	54	52	64	62	40	39
	MEAN	0.177	1.737	5.698	16.576	5.764	16.815
	S.D.	0.008	0.102	0.236	0.999	0.435	1.021
7	N	53	51	64	59	39	38
	MEAN	0.172	1.694	5.418	16.058	5.536	15.803
	S.D.	0.011	0.091	0.409	0.918	0.320	2.209

Table 10

Summary of Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

	SEX:	MALE					
	GROUP:	2	3	4	5	6	7
	DOSE:	3	30	100	300	100	300
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM
8	N	52	53	65	0	38	0
	MEAN	0.164	1.629	5.329		5.325	
	S.D.	0.008	0.099	0.251		0.496	
9	N	52	52	64	0	39	0
	MEAN	0.156	1.564	5.031		5.043	
	S.D.	0.010	0.104	0.280		0.592	
10	N	54	55	65	0	39	0
	MEAN	0.152	1.517	4.871		4.940	
	S.D.	0.011	0.105	0.355		0.477	
11	N	54	52	64	0	39	0
	MEAN	0.147	1.472	4.772		4.926	
	S.D.	0.009	0.086	0.324		0.349	
12	N	53	55	64	0	38	0
	MEAN	0.141	1.421	4.616		4.800	
	S.D.	0.009	0.101	0.364		0.279	
13	N	52	54	63	0	37	0
	MEAN	0.143	1.426	4.616		4.808	
	S.D.	0.010	0.097	0.346		0.263	
14	N	48	48	59	0	38	0
	MEAN	0.139	1.357	4.655		4.709	
	S.D.	0.010	0.153	0.348		0.241	

Table 10

Summary of Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

	SEX:	MALE					
	GROUP:	2	3	4	5	6	7
	DOSE:	3	30	100	300	100	300
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM
15	N	49	46	57	0	38	0
	MEAN	0.140	1.397	4.641		4.694	
	S.D.	0.009	0.115	0.222		0.241	
16	N	49	49	59	0	38	0
	MEAN	0.137	1.384	4.608		4.661	
	S.D.	0.009	0.105	0.248		0.227	
20	N	49	48	57	0	38	0
	MEAN	0.134	1.367	4.545		4.586	
	S.D.	0.008	0.087	0.340		0.264	
24	N	49	50	58	0	38	0
	MEAN	0.126	1.309	4.447		4.438	
	S.D.	0.008	0.090	0.291		0.245	
28	N	49	49	59	0	37	0
	MEAN	0.114	1.231	4.300		4.249	
	S.D.	0.018	0.116	0.275		0.246	
32	N	48	50	57	0	35	0
	MEAN	0.120	1.276	4.298		4.246	
	S.D.	0.016	0.093	0.303		0.250	
36	N	47	49	59	0	38	0
	MEAN	0.120	1.261	4.355		4.305	
	S.D.	0.008	0.102	0.428		0.255	

Table 10

Summary of Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

	SEX:	MALE					
	GROUP:	2	3	4	5	6	7
	DOSE:	3	30	100	300	100	300
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM
40	N	46	50	59	0	37	0
	MEAN	0.126	1.340	4.532		4.358	
	S.D.	0.009	0.110	0.407		0.631	
44	N	48	50	57	0	37	0
	MEAN	0.115	1.203	4.103		4.069	
	S.D.	0.007	0.094	0.346		0.229	
48	N	48	50	58	0	37	0
	MEAN	0.111	1.155	3.994		3.996	
	S.D.	0.010	0.095	0.321		0.268	
52	N	48	49	58	0	36	0
	MEAN	0.108	1.126	3.847		3.841	
	S.D.	0.012	0.084	0.332		0.222	
56	N	48	48	48	0	0	0
	MEAN	0.099	1.066	3.786			
	S.D.	0.025	0.173	0.474			
60	N	45	48	47	0	0	0
	MEAN	0.104	1.071	3.629			
	S.D.	0.025	0.164	0.481			
64	N	43	45	44	0	0	0
	MEAN	0.101	1.008	3.477			
	S.D.	0.022	0.153	0.492			

Table 10

Summary of Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

	SEX:	MALE					
	GROUP:	2	3	4	5	6	7
	DOSE:	3	30	100	300	100	300
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM
68	N	42	45	43	0	0	0
	MEAN	0.100	0.997	3.343			
	S.D.	0.017	0.225	0.831			
72	N	41	40	39	0	0	0
	MEAN	0.107	1.035	3.705			
	S.D.	0.034	0.181	0.430			
76	N	39	38	37	0	0	0
	MEAN	0.095	1.004	3.529			
	S.D.	0.020	0.226	0.548			
80	N	33	33	32	0	0	0
	MEAN	0.095	1.010	3.626			
	S.D.	0.027	0.239	0.466			
84	N	29	32	33	0	0	0
	MEAN	0.103	1.057	3.310			
	S.D.	0.025	0.143	0.778			
88	N	28	32	31	0	0	0
	MEAN	0.098	0.957	3.285			
	S.D.	0.021	0.118	0.544			
92	N	27	29	29	0	0	0
	MEAN	0.092	0.952	3.204			
	S.D.	0.013	0.122	0.709			

Table 10

Summary of Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

	SEX:	MALE					
	GROUP:	2	3	4	5	6	7
	DOSE:	3	30	100	300	100	300
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM
96	N	25	25	24	0	0	0
	MEAN	0.091	0.860	3.065			
	S.D.	0.013	0.210	0.600			
100	N	22	24	21	0	0	0
	MEAN	0.085	0.901	3.159			
	S.D.	0.020	0.134	0.542			
104	N	19	22	14	0	0	0
	MEAN	0.081	0.874	3.360			
	S.D.	0.019	0.142	0.664			

Table 10

Summary of Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

	SEX:	FEMALE					
	GROUP:	2	3	4	5	6	7
	DOSE:	3	30	100	300	100	300
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM
1	N	56	54	59	57	36	33
	MEAN	0.307	3.070	10.166	28.712	10.135	29.270
	S.D.	0.037	0.386	1.080	3.562	1.157	3.365
2	N	55	50	60	63	39	35
	MEAN	0.286	2.791	9.372	25.653	9.093	26.381
	S.D.	0.033	0.319	1.179	4.087	1.058	4.036
3	N	53	49	57	62	40	36
	MEAN	0.271	2.595	8.509	22.650	8.376	22.505
	S.D.	0.051	0.317	0.873	3.249	0.800	2.640
4	N	42	46	57	55	35	36
	MEAN	0.256	2.540	8.314	21.385	7.946	21.593
	S.D.	0.038	0.238	0.912	2.132	0.574	2.667
5	N	46	50	56	59	40	35
	MEAN	0.239	2.442	7.581	20.872	7.644	20.702
	S.D.	0.023	0.271	0.610	2.782	0.593	1.771
6	N	42	45	59	58	39	36
	MEAN	0.234	2.312	7.316	20.229	7.115	20.300
	S.D.	0.027	0.271	0.624	2.277	0.638	3.150
7	N	44	50	61	60	40	38
	MEAN	0.219	2.183	6.942	19.568	6.839	20.004
	S.D.	0.018	0.225	0.555	1.815	0.727	3.757

Table 10

Summary of Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

	SEX:	FEMALE					
	GROUP:	2	3	4	5	6	7
	DOSE:	3	30	100	300	100	300
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM
8	N	45	44	57	0	33	0
	MEAN	0.225	2.237	6.907		7.017	
	S.D.	0.040	0.390	0.675		0.722	
9	N	47	48	60	0	39	0
	MEAN	0.201	2.007	6.656		6.458	
	S.D.	0.029	0.203	1.398		0.446	
10	N	44	47	60	0	37	0
	MEAN	0.199	1.993	6.413		6.488	
	S.D.	0.027	0.228	0.760		0.543	
11	N	44	49	62	0	37	0
	MEAN	0.193	2.016	6.456		6.508	
	S.D.	0.035	0.342	1.352		0.898	
12	N	43	51	62	0	38	0
	MEAN	0.181	1.952	6.213		6.312	
	S.D.	0.023	0.246	0.720		0.861	
13	N	47	54	64	0	39	0
	MEAN	0.184	1.879	6.200		6.045	
	S.D.	0.031	0.275	1.400		0.705	
14	N	45	45	57	0	38	0
	MEAN	0.182	1.846	6.174		6.058	
	S.D.	0.031	0.155	1.263		0.429	

Table 10

Summary of Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

	SEX:	FEMALE					
	GROUP:	2	3	4	5	6	7
	DOSE:	3	30	100	300	100	300
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM
15	N	38	42	55	0	39	0
	MEAN	0.179	1.873	6.130		6.128	
	S.D.	0.028	0.178	0.515		0.383	
16	N	42	44	56	0	38	0
	MEAN	0.177	1.841	6.010		6.018	
	S.D.	0.018	0.217	0.423		0.475	
20	N	41	47	53	0	38	0
	MEAN	0.178	1.844	6.163		6.206	
	S.D.	0.027	0.184	0.484		0.436	
24	N	47	47	54	0	38	0
	MEAN	0.183	1.782	6.214		6.030	
	S.D.	0.036	0.192	1.082		0.348	
28	N	46	45	55	0	39	0
	MEAN	0.170	1.696	5.916		5.977	
	S.D.	0.025	0.120	0.575		0.413	
32	N	48	48	55	0	36	0
	MEAN	0.172	1.739	6.162		6.080	
	S.D.	0.028	0.207	0.808		0.475	
36	N	47	49	54	0	37	0
	MEAN	0.175	1.732	6.349		6.125	
	S.D.	0.031	0.205	1.458		0.448	

Table 10

Summary of Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

	SEX:	FEMALE					
	GROUP:	2	3	4	5	6	7
	DOSE:	3	30	100	300	100	300
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM
40	N	48	49	56	0	38	0
	MEAN	0.184	1.853	6.788		6.631	
	S.D.	0.027	0.258	1.158		0.448	
44	N	48	50	56	0	40	0
	MEAN	0.163	1.677	5.946		5.912	
	S.D.	0.020	0.195	0.888		0.783	
48	N	49	50	56	0	39	0
	MEAN	0.153	1.550	5.976		5.715	
	S.D.	0.018	0.215	1.169		0.425	
52	N	46	48	55	0	39	0
	MEAN	0.147	1.454	5.686		5.355	
	S.D.	0.018	0.250	0.899		0.552	
56	N	47	47	47	0	0	0
	MEAN	0.138	1.390	5.395			
	S.D.	0.020	0.215	0.844			
60	N	46	45	44	0	0	0
	MEAN	0.139	1.394	5.267			
	S.D.	0.018	0.203	0.531			
64	N	46	45	43	0	0	0
	MEAN	0.129	1.371	4.995			
	S.D.	0.034	0.209	0.636			

Table 10

Summary of Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

	SEX:	FEMALE					
	GROUP:	2	3	4	5	6	7
	DOSE:	3	30	100	300	100	300
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM
68	N	40	44	45	0	0	0
	MEAN	0.137	1.409	5.151			
	S.D.	0.019	0.226	1.316			
72	N	40	38	39	0	0	0
	MEAN	0.136	1.402	5.016			
	S.D.	0.026	0.199	0.468			
76	N	33	33	37	0	0	0
	MEAN	0.137	1.353	5.178			
	S.D.	0.023	0.217	1.054			
80	N	28	32	32	0	0	0
	MEAN	0.131	1.350	5.107			
	S.D.	0.034	0.238	0.672			
84	N	28	29	31	0	0	0
	MEAN	0.127	1.276	4.949			
	S.D.	0.026	0.288	0.868			
88	N	25	26	27	0	0	0
	MEAN	0.119	1.179	4.659			
	S.D.	0.020	0.386	0.788			
92	N	24	23	29	0	0	0
	MEAN	0.109	1.205	4.674			
	S.D.	0.037	0.224	1.483			

Table 10

Summary of Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

	SEX:	FEMALE					
	GROUP:	2	3	4	5	6	7
	DOSE:	3	30	100	300	100	300
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM
96	N	20	22	24	0	0	0
	MEAN	0.109	1.125	4.213			
	S.D.	0.031	0.198	1.173			
100	N	14	17	23	0	0	0
	MEAN	0.109	1.038	4.860			
	S.D.	0.027	0.212	1.582			
104	N	13	15	18	0	0	0
	MEAN	0.114	1.029	4.440			
	S.D.	0.022	0.212	1.039			

Table 11

Summary of Clinical Hematology Data

Males Week 8

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
0								
	MEAN	8.27	15.3	44.7	54.1	18.5	34.1	1269
	S.D.	.267	.44	1.43	1.10	.40	.61	111.0
	N	5	5	5	5	5	5	5
300								
	MEAN	6.61 *	12.7 *	37.1 *	56.3	19.2	34.1	1092 *
	S.D.	.609	.68	2.14	2.65	.82	.72	112.7
	N	5	5	5	5	5	5	5

Table 11

Summary of Clinical Hematology Data

Males Week 8

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
0												
	MEAN	8.5	1.2	6.9	.4	.1	.0	15	78	6	1	0
	S.D.	3.27	.41	3.52	.29	.04	.00	6.1	8.8	4.0	.5	.0
	N	5	5	5	5	5	5	5	5	5	5	5
300												
	MEAN	6.5	1.0	5.2	.3	.0 *	.0	17	78	4	1	0
	S.D.	1.98	.29	2.10	.19	.05	.00	11.7	12.1	2.9	.4	.0
	N	5	5	5	5	5	5	5	5	5	5	5

Table 11

Summary of Clinical Hematology Data

Females Week 8

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
0								
	MEAN	7.83	14.7	43.6	55.6	18.8	33.8	1114
	S.D.	.321	.40	1.62	1.13	.56	.48	88.8
	N	5	5	5	5	5	5	5
300								
	MEAN	6.83 *	13.0 *	37.9 *	55.5	19.0	34.2	1110
	S.D.	.388	.81	2.43	1.31	.46	.29	113.7
	N	5	5	5	5	5	5	5

Table 11

Summary of Clinical Hematology Data

Females Week 8

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
0												
	MEAN	7.7	.7	6.6	.3	.1	.0	10	84	4	2	0
	S.D.	2.85	.31	2.95	.11	.09	.00	6.5	9.1	2.2	1.7	.0
	N	5	5	5	5	5	5	5	5	5	5	5
300												
	MEAN	5.8	.6	5.0	.2	.0 *	.0	10	86	3	1	0
	S.D.	.78	.30	.93	.10	.00	.00	6.4	5.7	1.1	.4	.0
	N	5	5	5	5	5	5	5	5	5	5	5

Table 12

Summary of Clinical Hematology Data

Males Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
0								
	MEAN	8.54	15.3	45.7	53.6	17.9	33.5	1240
	S.D.	.403	.48	1.34	1.46	.55	.53	156.0
	N	10	10	10	10	10	10	10
3								
	MEAN	8.72	15.6	46.6	53.5	17.9	33.5	1140
	S.D.	.268	.45	1.17	1.21	.54	.47	67.8
	N	10	10	10	10	10	10	10
30								
	MEAN	8.33	15.0	44.6	53.6	18.0	33.7	1143
	S.D.	.455	.71	1.87	1.45	.38	.37	158.3
	N	10	10	10	10	10	10	10
100								
	MEAN	8.18	15.0	44.4	54.4	18.4	33.8	1141
	S.D.	.347	.43	1.57	1.23	.51	.42	80.6
	N	10	10	10	10	10	10	10

Table 12

Summary of Clinical Hematology Data

Males Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
0												
	MEAN	7.4	1.2	5.3	.7	.1	.0	17	71	10	2	0
	S.D.	1.31	.38	1.27	.19	.04	.00	5.2	7.1	2.8	.6	.0
	N	10	10	10	10	10	10	10	10	10	10	10
3												
	MEAN	10.4	1.5	7.9	.8	.2	.0	15	75	7	2	0
	S.D.	3.31	.54	2.79	.29	.11	.00	4.6	6.6	2.3	.7	.0
	N	10	10	10	10	10	10	10	10	10	10	10
30												
	MEAN	9.2	1.3	7.0	.7	.2	.0	15	75	8	2	0
	S.D.	1.85	.41	1.59	.28	.07	.00	4.6	4.7	2.4	.6	.0
	N	10	10	10	10	10	10	10	10	10	10	10
100												
	MEAN	8.8	1.3	6.7	.7	.1	.0	15	76	8	1	0
	S.D.	2.64	.39	2.23	.24	.05	.00	2.6	3.3	2.5	.5	.0
	N	10	10	10	10	10	10	10	10	10	10	10

Table 12

Summary of Clinical Hematology Data

Females Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
0								
	MEAN	8.15	15.5	45.9	56.4	19.0	33.7	1040
	S.D.	.469	.65	2.09	1.17	.61	.46	113.7
	N	10	10	10	10	10	10	10
3								
	MEAN	8.12	15.3	45.3	55.8	18.8	33.7	1000
	S.D.	.411	.64	2.16	1.97	.67	.38	222.8
	N	10	10	10	10	10	10	10
30								
	MEAN	8.01	15.2	45.5	56.8	19.1	33.6	1054
	S.D.	.419	.55	1.63	1.72	.80	.45	124.0
	N	10	10	10	10	10	10	10
100								
	MEAN	7.79	14.9	43.7	56.2	19.2	34.1	1023
	S.D.	.258	.23	.82	1.46	.61	.54	56.2
	N	9	9	9	9	9	9	9

Table 12

Summary of Clinical Hematology Data

Females Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
0												
	MEAN	6.4	.8	5.1	.4	.1	.0	13	79	6	2	0
	S.D.	1.63	.22	1.44	.13	.04	.00	3.6	4.2	1.4	.6	.0
	N	10	10	10	10	10	10	10	10	10	10	10
3												
	MEAN	6.9	.8	5.5	.4	.1	.0	11	81	6	2	0
	S.D.	1.77	.43	1.48	.12	.03	.00	4.5	4.8	2.0	.8	.0
	N	10	10	10	10	10	10	10	10	10	10	10
30												
	MEAN	7.5	.8	6.3	.4	.1	.0	12	80	5	2	0
	S.D.	5.43	.22	5.06	.19	.09	.00	5.5	5.9	1.8	.5	.0
	N	10	10	10	10	10	10	10	10	10	10	10
100												
	MEAN	6.2	.6	5.1	.4	.1	.0	11	80	6	2	0
	S.D.	1.80	.26	1.68	.12	.06	.00	4.8	6.6	3.0	.7	.0
	N	9	9	9	9	9	9	9	9	9	9	9

Table 13

Summary of Clinical Hematology Data

Males Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$	
0									
	MEAN	8.33	14.8	44.2	53.1	17.8	33.4	1270	
	S.D.	.445	.47	1.41	1.63	.66	.40	107.3	
	N	10	10	10	10	10	10	10	
3									
	MEAN	8.19	14.6	44.0	53.8	17.9	33.3	1096	*
	S.D.	.879	1.46	4.15	1.83	.66	.45	100.5	
	N	10	10	10	10	10	10	10	
30									
	MEAN	8.27	14.9	44.0	53.2	18.0	33.8	1190	
	S.D.	.374	.51	1.12	1.98	.78	.44	131.4	
	N	10	10	10	10	10	10	10	
100									
	MEAN	8.22	14.5	42.9	52.2	17.6	33.7	1206	
	S.D.	.398	.59	2.12	2.24	.77	.44	55.6	
	N	10	10	10	10	10	10	10	

Table 13

Summary of Clinical Hematology Data

Males Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
0												
	MEAN	7.9	1.4	5.5	.8	.2	.0	19	69	10	2	0
	S.D.	1.77	.34	1.52	.19	.06	.00	4.2	4.7	1.8	.4	.0
	N	10	10	10	10	10	10	10	10	10	10	10
3												
	MEAN	7.9	1.4	5.6	.7	.2	.0	17	71	9	2	0
	S.D.	1.62	.65	1.14	.23	.08	.00	4.5	5.3	4.1	.7	.3
	N	10	10	10	10	10	10	10	10	10	10	10
30												
	MEAN	8.8	2.0	5.8	.8	.2	.0	22	68	9	2	0
	S.D.	1.91	.98	1.22	.27	.07	.00	8.3	8.7	2.2	.8	.0
	N	10	10	10	10	10	10	10	10	10	10	10
100												
	MEAN	8.9	2.4	5.6	.8	.1	.0	24	65	9	2	0
	S.D.	3.06	2.34	1.27	.28	.04	.00	11.6	11.7	2.4	.7	.3
	N	10	10	10	10	10	10	10	10	10	10	10

Table 13

Summary of Clinical Hematology Data

Females Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
0								
	MEAN	7.93	15.3	45.1	56.9	19.3	33.9	1076
	S.D.	.316	.29	1.04	1.76	.76	.38	96.6
	N	10	10	10	10	10	10	10
3								
	MEAN	7.54 *	14.7 *	43.2 *	57.4	19.5	34.0	987
	S.D.	.243	.50	1.23	1.88	.82	.49	176.1
	N	10	10	10	10	10	10	10
30								
	MEAN	7.78	14.9	43.9	56.4	19.1	33.9	968
	S.D.	.396	.46	1.38	1.99	.80	.49	94.2
	N	10	10	10	10	10	10	10
100								
	MEAN	7.25 *	14.1 *	41.0 *	56.5	19.4	34.4	996
	S.D.	.268	.61	1.82	1.74	.51	.56	103.9
	N	10	10	10	10	10	10	10

Table 13

Summary of Clinical Hematology Data

Females Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
0												
	MEAN	5.1	.7	3.7	.6	.1	.0	14	71	12	2	0
	S.D.	1.29	.17	1.39	.21	.00	.03	5.2	10.3	5.5	.6	.7
	N	10	10	10	10	10	10	10	10	10	10	10
3												
	MEAN	5.2	.7	3.9	.5	.1	.0	14	74	10	2	0
	S.D.	1.85	.24	1.55	.17	.03	.00	2.8	4.0	3.2	.9	.3
	N	10	10	10	10	10	10	10	10	10	10	10
30												
	MEAN	4.8	.8	3.3	.5	.1	.0	18	69	11	2	0
	S.D.	1.20	.22	.98	.21	.03	.00	4.6	7.5	4.1	.7	.4
	N	10	10	10	10	10	10	10	10	10	10	10
100												
	MEAN	4.9	.8	3.5	.4	.1	.0	17	72	8	2	0
	S.D.	.69	.28	.73	.07	.03	.00	5.7	6.7	2.2	.5	.4
	N	10	10	10	10	10	10	10	10	10	10	10

Table 14

Summary of Clinical Hematology Data

Males Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
0								
	MEAN	8.01	14.5	43.3	54.2	18.2	33.4	1238
	S.D.	1.004	1.52	4.50	2.32	.78	.30	229.3
	N	10	10	10	10	10	10	10
3								
	MEAN	8.42	15.2	45.3	53.8	18.1	33.6	1210
	S.D.	.498	.76	2.79	1.88	.52	.61	176.3
	N	10	10	10	10	10	10	10
30								
	MEAN	8.39	14.8	43.8	52.2	17.6	33.8	1199
	S.D.	.585	1.12	3.17	1.82	.80	.56	97.5
	N	10	10	10	10	10	10	10
100								
	MEAN	8.45	14.7	43.3	51.3 *	17.4 *	33.9	1129
	S.D.	.454	.68	1.73	1.06	.45	.55	184.1
	N	10	10	10	10	10	10	10

Table 14

Summary of Clinical Hematology Data

Males Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
0												
	MEAN	8.5	2.4	4.9	1.0	.2	.0	29	58	12	2	0
	S.D.	2.14	.88	1.26	.35	.08	.00	5.1	5.4	3.4	.7	.3
	N	10	10	10	10	10	10	10	10	10	10	10
3												
	MEAN	7.9	1.9	4.9	.9	.1	.0	24	62	11	2	0
	S.D.	1.11	.73	.70	.28	.05	.03	6.9	6.6	3.2	.7	.3
	N	10	10	10	10	10	10	10	10	10	10	10
30												
	MEAN	8.8	2.5	5.5	.7	.2	.0	28	62	8	2	0
	S.D.	.90	.79	1.01	.43	.07	.00	8.3	8.8	4.6	.7	.0
	N	10	10	10	10	10	10	10	10	10	10	10
100												
	MEAN	7.5	1.8	4.7	.8	.2	.0	25	62	11	2	0
	S.D.	2.02	.53	1.74	.19	.05	.00	7.1	9.5	3.6	.6	.3
	N	10	10	10	10	10	10	10	10	10	10	10

Table 14

Summary of Clinical Hematology Data

Females Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
0								
	MEAN	7.23	14.2	41.5	58.2	20.0	34.4	998
	S.D.	1.388	1.95	6.15	4.19	1.81	.64	125.1
	N	10	10	10	10	10	10	10
3								
	MEAN	7.42	14.3	42.4	57.2	19.3	33.7 *	935
	S.D.	.589	1.03	2.99	1.78	.85	.56	125.9
	N	10	10	10	10	10	10	10
30								
	MEAN	7.44	14.6	42.8	57.6	19.6	34.0	918
	S.D.	.979	1.86	5.57	2.13	.83	.51	133.9
	N	10	10	10	10	10	10	10
100								
	MEAN	6.92	13.6	39.4	57.1	19.7	34.6	907
	S.D.	1.008	1.62	4.74	2.24	.79	.43	80.9
	N	10	10	10	10	10	10	10

Table 14

Summary of Clinical Hematology Data

Females Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
0												
	MEAN	4.5	1.1	2.7	.6	.1	.0	25	60	13	2	0
	S.D.	.59	.39	.40	.08	.03	.00	6.8	6.8	1.2	.5	.4
	N	10	10	10	10	10	10	10	10	10	10	10
3												
	MEAN	4.8	1.5	2.6	.6	.1	.0	26	59	12	2	0
	S.D.	1.95	1.60	.74	.34	.03	.03	13.8	14.8	1.9	.9	.3
	N	10	10	10	10	10	10	10	10	10	10	10
30												
	MEAN	5.7	1.2	3.8	.5	.1	.0	22	66	9	3	0
	S.D.	1.60	.49	1.43	.20	.07	.00	7.4	8.4	3.8	1.4	.0
	N	10	10	10	10	10	10	10	10	10	10	10
100												
	MEAN	5.8 *	1.6	3.4	.7	.2	.0	28	58	11	3	0
	S.D.	.74	.33	.63	.19	.08	.00	4.6	5.7	4.0	1.2	.3
	N	10	10	10	10	10	10	10	10	10	10	10

Table 15

Summary of Clinical Chemistry Data

Males Week 4

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		PCOAO IU/G
0		
	MEAN	7
	S.D.	3.8
	N	5
3		
	MEAN	8
	S.D.	2.5
	N	5
30		
	MEAN	9
	S.D.	1.7
	N	5
100		
	MEAN	6
	S.D.	1.9
	N	5
300		
	MEAN	14 *
	S.D.	3.6
	N	5

Table 15

Summary of Clinical Chemistry Data

Females Week 4

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		PCOAO IU/G
0		
	MEAN	3
	S.D.	2.7
	N	5
3		
	MEAN	5
	S.D.	1.6
	N	5
30		
	MEAN	4
	S.D.	2.7
	N	5
100		
	MEAN	5
	S.D.	1.6
	N	5
300		
	MEAN	15 *
	S.D.	7.9
	N	5

Table 16

Summary of Clinical Chemistry Data

Males Week 8

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
0									
	MEAN	106	13	.8	6.7	4.6	2.2	.1	53
	S.D.	6.3	1.9	.13	.48	.19	.31	.08	13.3
	N	5	5	5	5	5	5	5	5
300									
	MEAN	94 *	18 *	.7	7.1	5.5 *	1.6 *	.5 *	7 *
	S.D.	6.2	2.2	.08	.61	.38	.30	.09	5.2
	N	5	5	5	5	5	5	5	5

Table 16

Summary of Clinical Chemistry Data

Males Week 8

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
0									
	MEAN	113	42	2	10.5	7.8	148	5.7	103
	S.D.	24.8	7.0	1.6	.21	.79	1.5	.26	1.9
	N	5	5	5	5	5	5	5	5
300									
	MEAN	179 *	271 *	1	10.4	7.7	147	5.6	103
	S.D.	55.6	213.8	1.2	.26	.34	1.6	.32	2.2
	N	5	5	5	5	5	5	5	5

Table 16

Summary of Clinical Chemistry Data

Males Week 8

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		PCOAO IU/G
0		
	MEAN	9
	S.D.	3.5
	N	5
300		
	MEAN	26 *
	S.D.	5.3
	N	5

Table 16

Summary of Clinical Chemistry Data

Females Week 8

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
0									
	MEAN	109	13	.8	7.3	5.4	1.9	.3	69
	S.D.	8.8	2.3	.11	.31	.29	.19	.09	16.2
	N	5	5	5	5	5	5	5	5
300									
	MEAN	86 *	22 *	.8	7.7	6.2 *	1.5	.4	11 *
	S.D.	20.0	3.7	.10	1.00	.63	.40	.08	4.0
	N	5	5	5	5	5	5	5	5

Table 16

Summary of Clinical Chemistry Data

Females Week 8

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
0									
	MEAN	129	42	1	11.1	8.4	148	5.9	103
	S.D.	21.6	19.8	1.1	.38	1.99	2.3	.61	2.6
	N	5	5	5	5	5	5	5	5
300									
	MEAN	145	94	1	11.2	8.6	149	5.6	105
	S.D.	78.4	67.7	1.7	.40	1.22	2.8	.34	1.5
	N	5	5	5	5	5	5	5	5

Table 16

Summary of Clinical Chemistry Data

Females Week 8

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		PCOAO IU/G
0		
	MEAN	3
	S.D.	2.7
	N	5
300		
	MEAN	26 *
	S.D.	6.6
	N	5

Table 17

Summary of Clinical Chemistry Data

Males Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
0									
	MEAN	111	13	.7	7.4	5.0	2.4	.2	82
	S.D.	18.0	1.4	.13	.32	.16	.23	.12	14.4
	N	10	10	10	10	10	10	10	10
3									
	MEAN	101	14	.7	7.1	4.7 *	2.4	.2	61 *
	S.D.	5.7	2.2	.06	.28	.14	.21	.08	6.8
	N	10	10	10	10	10	10	10	10
30									
	MEAN	102	14	.7	7.1	4.8	2.4	.1	53 *
	S.D.	8.6	2.0	.14	.36	.18	.31	.10	7.9
	N	10	10	10	10	10	10	10	10
100									
	MEAN	94 *	15	.6	7.2	5.1	2.2	.2	29 *
	S.D.	7.0	1.6	.05	.31	.25	.25	.08	9.8
	N	10	10	10	10	10	10	10	10

Table 17

Summary of Clinical Chemistry Data

Males Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
0									
	MEAN	128	41	0	10.8	7.7	149	6.5	105
	S.D.	32.7	6.9	.4	.37	.62	1.7	.41	1.3
	N	10	10	10	10	10	10	10	10
3									
	MEAN	130	42	0	10.6	7.8	148	6.2	104
	S.D.	27.0	6.1	.7	.28	.69	1.7	.28	2.4
	N	10	10	10	10	10	10	10	10
30									
	MEAN	116	46	0	10.8	7.8	148	6.1 *	106
	S.D.	31.0	14.2	.3	.28	.55	1.5	.34	2.1
	N	10	10	10	10	10	10	10	10
100									
	MEAN	111	47	0	10.6	7.7	148	6.1 *	106
	S.D.	32.3	11.1	1.3	.35	.42	1.7	.35	2.4
	N	10	10	10	10	10	10	10	10

Table 17

Summary of Clinical Chemistry Data

Females Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
0									
	MEAN	106	13	.8	8.3	6.1	2.2	.2	95
	S.D.	10.4	1.5	.12	.47	.43	.21	.10	29.6
	N	10	10	10	10	10	10	10	10
3									
	MEAN	108	14	.7	8.0	6.0	2.0	.2	80
	S.D.	7.9	2.3	.10	.39	.43	.12	.18	12.9
	N	10	10	10	10	10	10	10	10
30									
	MEAN	97	16	.8	7.8	5.8	2.0	.1	69 *
	S.D.	11.9	3.8	.16	.53	.37	.24	.13	18.3
	N	10	10	10	10	10	10	10	10
100									
	MEAN	94 *	19 *	.7	8.1	6.1	2.0	.2	58 *
	S.D.	9.9	4.3	.12	.31	.19	.32	.12	22.9
	N	10	10	10	10	10	10	10	10

Table 17

Summary of Clinical Chemistry Data

Females Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
0									
	MEAN	110	39	0	11.3	7.0	149	6.0	106
	S.D.	30.2	18.5	1.0	.37	1.22	2.4	.80	2.0
	N	10	10	10	10	10	10	10	10
3									
	MEAN	96	32	0	11.4	7.3	148	6.1	105
	S.D.	14.8	6.5	.5	.38	.95	1.8	.59	1.2
	N	10	10	10	10	10	10	10	10
30									
	MEAN	118	34	0	10.8 *	6.8	149	5.8	106
	S.D.	16.0	6.0	.5	.46	1.00	2.2	.35	1.4
	N	10	10	10	10	10	10	10	10
100									
	MEAN	87	33	1	11.1	6.8	149	5.9	106
	S.D.	17.1	4.7	1.5	.27	.74	2.0	.37	2.2
	N	10	10	10	10	10	10	10	10

Table 18

Summary of Clinical Chemistry Data

Males Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
0									
	MEAN	106	11	.6	7.4	4.6	2.7	.1	96
	S.D.	11.8	1.2	.13	.31	.25	.13	.13	30.3
	N	10	10	10	10	10	10	10	10
3									
	MEAN	108	13	.7	7.4	4.8	2.6	.2	86
	S.D.	12.1	1.8	.12	.43	.39	.19	.11	19.8
	N	10	10	10	10	10	10	10	10
30									
	MEAN	98	13	.7	7.2	4.7	2.5 *	.1	68 *
	S.D.	6.2	1.7	.10	.51	.39	.20	.10	18.8
	N	10	10	10	10	10	10	10	10
100									
	MEAN	95 *	15 *	.6	7.7	5.3 *	2.4 *	.1	42 *
	S.D.	7.3	1.6	.11	.32	.25	.28	.11	16.2
	N	10	10	10	10	10	10	10	10

Table 18

Summary of Clinical Chemistry Data

Males Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
0									
	MEAN	114	40	1	10.8	7.4	149	6.7	106
	S.D.	28.0	13.8	1.3	.38	.82	1.9	.48	1.1
	N	10	10	10	10	10	10	10	10
3									
	MEAN	119	42	0	10.6	6.9	147	6.2	105
	S.D.	38.3	21.2	.7	.39	.66	2.3	.48	2.4
	N	10	10	10	10	10	10	10	10
30									
	MEAN	114	57	1	10.6	7.2	147	6.3	106
	S.D.	38.7	31.0	1.0	.34	.40	1.4	.37	1.2
	N	10	10	10	10	10	10	10	10
100									
	MEAN	165	94	1	10.7	7.2	147	6.3	106
	S.D.	192.1	113.7	.8	.32	.40	1.4	.35	1.1
	N	10	10	10	10	10	10	10	10

Table 18

Summary of Clinical Chemistry Data

Females Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
0									
	MEAN	101	15	.8	8.0	5.8	2.2	.2	87
	S.D.	13.4	3.7	.24	.65	.53	.23	.10	14.3
	N	10	10	10	10	10	10	10	10
3									
	MEAN	103	14	.7	8.2	5.8	2.4	.2	104
	S.D.	7.3	2.2	.11	.54	.57	.28	.14	21.4
	N	10	10	10	10	10	10	10	10
30									
	MEAN	107	16	.6	8.0	5.8	2.2	.2	86
	S.D.	8.9	3.7	.08	.61	.41	.28	.12	19.6
	N	10	10	10	10	10	10	10	10
100									
	MEAN	92	21 *	.8	8.5	6.2	2.4	.2	71
	S.D.	7.1	7.0	.21	.50	.30	.25	.14	20.6
	N	10	10	10	10	10	10	10	10

Table 18

Summary of Clinical Chemistry Data

Females Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
0									
	MEAN	122	44	1	11.0	6.0	147	6.1	105
	S.D.	30.0	19.3	1.1	.41	.44	2.9	.57	2.0
	N	10	10	10	10	10	10	10	10
3									
	MEAN	102	41	2	11.0	5.8	147	5.7	105
	S.D.	23.6	17.7	4.7	.41	.76	.9	.54	1.4
	N	10	10	10	10	10	10	10	10
30									
	MEAN	104	37	2	11.0	6.1	147	6.1	107
	S.D.	22.1	10.8	1.4	.53	.92	1.7	.69	1.3
	N	10	10	10	10	10	10	10	10
100									
	MEAN	105	47	1	11.2	6.2	146	5.8	104
	S.D.	42.4	17.3	1.3	.24	.63	1.6	.71	2.1
	N	10	10	10	10	10	10	10	10

Table 19

Summary of Clinical Chemistry Data

Males Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
0									
	MEAN	115	13	.6	7.3	4.4	2.9	.1	146
	S.D.	11.7	1.5	.10	.38	.25	.45	.10	70.8
	N	10	10	10	10	10	10	10	10
3									
	MEAN	111	12	.6	7.6	4.7	2.9	.2	119
	S.D.	10.8	1.6	.11	.67	.49	.48	.13	36.1
	N	10	10	10	10	10	10	10	10
30									
	MEAN	116	14	.7	7.3	4.7	2.6	.2	92 *
	S.D.	9.4	2.2	.18	.32	.18	.35	.13	38.3
	N	10	10	10	10	10	10	10	10
100									
	MEAN	113	14	.6	7.7	5.3 *	2.4 *	.1	49 *
	S.D.	13.7	1.0	.11	.35	.30	.27	.09	21.4
	N	10	10	10	10	10	10	10	10

Table 19

Summary of Clinical Chemistry Data

Males Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
0									
	MEAN	117	40	4	11.1	6.5	150	6.4	109
	S.D.	23.7	9.4	3.5	.41	.87	1.7	.36	2.3
	N	10	10	10	10	10	10	10	10
3									
	MEAN	108	48	3	11.0	6.7	150	6.5	108
	S.D.	22.9	14.4	2.7	.35	.53	1.6	.52	1.3
	N	10	10	10	10	10	10	10	10
30									
	MEAN	105	51	4	10.9	6.8	150	6.5	109
	S.D.	25.4	19.2	4.5	.30	.62	1.9	.42	1.6
	N	10	10	10	10	10	10	10	10
100									
	MEAN	83 *	68 *	6	10.9	6.5	148 *	6.3	109
	S.D.	16.2	26.5	4.2	.20	.37	1.6	.45	2.0
	N	10	10	10	10	10	10	10	10

Table 19

Summary of Clinical Chemistry Data

Females Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
0									
	MEAN	108	13	.7	8.0	5.9	2.1	.3	116
	S.D.	14.0	3.0	.12	.70	.58	.25	.16	22.1
	N	10	10	10	10	10	10	10	10
3									
	MEAN	105	13	.7	8.2	5.8	2.5	.2	119
	S.D.	13.0	1.6	.17	.55	.57	.40	.19	39.1
	N	10	10	10	10	10	10	10	10
30									
	MEAN	93 *	14	.8	8.4	5.9	2.4	.3	94
	S.D.	7.8	2.1	.09	.37	.22	.33	.25	23.9
	N	10	10	10	10	10	10	10	10
100									
	MEAN	103	16	.6	8.5	5.9	2.6 *	.1	88
	S.D.	11.3	4.2	.08	.42	.22	.37	.12	23.2
	N	10	10	10	10	10	10	10	10

Table 19

Summary of Clinical Chemistry Data

Females Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
0									
	MEAN	107	43	2	11.1	5.8	148	5.6	106
	S.D.	33.7	16.5	1.8	.44	.73	2.2	.51	3.5
	N	10	10	10	10	10	10	10	10
3									
	MEAN	104	48	2	11.2	5.8	149	6.1	108
	S.D.	27.4	22.0	2.8	.43	.44	1.7	.45	2.8
	N	10	10	10	10	10	10	10	10
30									
	MEAN	125	66	5	11.1	6.2	150	5.9	107
	S.D.	56.9	72.0	6.8	.42	.85	3.9	.56	2.4
	N	10	10	10	10	10	10	10	10
100									
	MEAN	89	63	4	11.3	5.8	147	5.7	107
	S.D.	19.9	26.1	4.0	.29	.48	1.9	.40	2.9
	N	10	10	10	10	10	10	10	10

Table 20

Summary of Clinical Chemistry Data

Males Week 105

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		CHOL MG/DL	TRIG MG/DL
0			
	MEAN	152	189
	S.D.	65.0	119.3
	N	14	14
3			
	MEAN	144	199
	S.D.	83.4	162.2
	N	22	22
30			
	MEAN	109	127
	S.D.	33.4	73.2
	N	22	22
100			
	MEAN	81 *	110
	S.D.	48.7	111.2
	N	17	17
100			
	MEAN	120	173
	S.D.	68.7	120.7
	N	10	10

Table 20

Summary of Clinical Chemistry Data

Females Week 105

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		CHOL MG/DL	TRIG MG/DL
0			
	MEAN	116	166
	S.D.	32.6	97.3
	N	13	13
3			
	MEAN	109	175
	S.D.	24.9	128.4
	N	13	13
30			
	MEAN	100	116
	S.D.	22.8	97.6
	N	15	15
100			
	MEAN	108	90 *
	S.D.	44.8	88.3
	N	19	19
100			
	MEAN	154 *	482
	S.D.	53.4	469.7
	N	12	12

Table 21

Summary of Clinical Urinalysis Data

Males Week 8

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		U VOL ML	SP GR	U PH
0				
	MEAN	17.5	1.020	7.0
	S.D.	10.64	.0086	.35
	N	5	5	5
300				
	MEAN	28.5	1.010	6.9
	S.D.	10.88	.0047	.22
	N	5	5	5

Table 21

Summary of Clinical Urinalysis Data

Females Week 8

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		U VOL ML	SP GR	U PH
0				
	MEAN	19.9	1.012	6.8
	S.D.	17.75	.0102	.27
	N	5	5	5
300				
	MEAN	21.6	1.010	6.7
	S.D.	12.63	.0051	.45
	N	5	5	5

Table 22

Summary of Clinical Urinalysis Data

Males Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		U VOL ML	SP GR	U PH
0				
	MEAN	18.7	1.024	6.9
	S.D.	14.79	.0151	.39
	N	10	10	10
3				
	MEAN	25.1	1.015	6.9
	S.D.	15.47	.0079	.21
	N	10	10	10
30				
	MEAN	15.8	1.022	6.8
	S.D.	9.53	.0109	.26
	N	10	10	10
100				
	MEAN	19.9	1.022	6.8
	S.D.	15.56	.0160	.35
	N	10	10	10

Table 22

Summary of Clinical Urinalysis Data

Females Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		U VOL ML	SP GR	U PH
0				
	MEAN	19.0	1.012	6.7
	S.D.	13.21	.0082	.26
	N	10	10	10
3				
	MEAN	22.2	1.012	6.8
	S.D.	16.26	.0102	.26
	N	10	10	10
30				
	MEAN	19.2	1.014	6.6
	S.D.	16.50	.0109	.39
	N	10	10	10
100				
	MEAN	23.2	1.012	6.6
	S.D.	16.13	.0086	.16
	N	10	10	10

Table 23

Summary of Clinical Urinalysis Data

Males Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		U VOL ML	SP GR	U PH
0				
	MEAN	15.5	1.024	7.0
	S.D.	8.17	.0087	.33
	N	10	10	10
3				
	MEAN	13.7	1.025	7.2
	S.D.	5.65	.0090	.35
	N	10	10	10
30				
	MEAN	13.7	1.030	7.0
	S.D.	13.33	.0137	.33
	N	10	10	10
100				
	MEAN	15.4	1.025	7.0
	S.D.	13.36	.0100	.33
	N	10	10	10

Table 23

Summary of Clinical Urinalysis Data

Females Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		U VOL ML	SP GR	U PH
0				
	MEAN	18.1	1.019	6.9
	S.D.	16.96	.0140	.32
	N	10	10	10
3				
	MEAN	15.9	1.016	6.8
	S.D.	15.38	.0100	.41
	N	10	10	10
30				
	MEAN	13.0	1.020	6.7
	S.D.	13.35	.0190	.35
	N	10	10	10
100				
	MEAN	13.2	1.019	6.8
	S.D.	8.01	.0081	.49
	N	10	10	10

Table 24

Summary of Clinical Urinalysis Data

Males Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		U VOL ML	SP GR	U PH
0				
	MEAN	19.3	1.024	6.8
	S.D.	15.90	.0092	.26
	N	10	10	10
3				
	MEAN	13.7	1.029	7.0
	S.D.	6.72	.0106	.33
	N	10	10	10
30				
	MEAN	14.7	1.026	6.8
	S.D.	7.46	.0078	.35
	N	10	10	10
100				
	MEAN	17.3	1.023	6.8
	S.D.	12.78	.0110	.34
	N	10	10	10

Table 24

Summary of Clinical Urinalysis Data

Females Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		U VOL ML	SP GR	U PH
0				
	MEAN	13.1	1.018	6.4
	S.D.	7.81	.0074	.28
	N	10	10	10
3				
	MEAN	19.3	1.018	6.4
	S.D.	17.82	.0122	.16
	N	10	10	10
30				
	MEAN	13.7	1.021	6.4
	S.D.	12.84	.0101	.24
	N	10	10	10
100				
	MEAN	17.0	1.021	6.4
	S.D.	14.38	.0131	.16
	N	10	10	10

Table 25

Summary of Urine Chemistry Data

Males Week 8

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
0					
	MEAN	27	120	.37	1.99
	S.D.	13.5	36.4	.135	1.394
	N	5	5	5	5
300					
	MEAN	20	41 *	.53	1.10
	S.D.	14.2	18.8	.213	.403
	N	5	5	4	4

Table 25

Summary of Urine Chemistry Data

Females Week 8

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
0					
	MEAN	16	53	.15	.46
	S.D.	11.4	47.3	.074	.164
	N	5	5	4	4
300					
	MEAN	20	42	.38	.76 *
	S.D.	9.9	18.0	.178	.113
	N	5	5	4	4

Table 26

Summary of Urine Chemistry Data

Males Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
0					
	MEAN	28	155	.35	1.70
	S.D.	15.9	111.3	.159	.469
	N	10	10	10	10
3					
	MEAN	22	82	.40	1.40
	S.D.	14.5	51.3	.197	.521
	N	10	10	10	10
30					
	MEAN	30	127	.32	1.44
	S.D.	24.4	88.4	.108	.405
	N	10	10	10	10
100					
	MEAN	29	128	.31	1.35
	S.D.	28.2	115.5	.071	.335
	N	10	10	10	10

Table 26

Summary of Urine Chemistry Data

Females Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
0					
	MEAN	19	61	.25	.74
	S.D.	12.0	47.7	.062	.256
	N	10	10	10	10
3					
	MEAN	21	70	.26	.66
	S.D.	16.5	73.0	.139	.214
	N	10	10	10	10
30					
	MEAN	18	73	.22	.65
	S.D.	11.0	76.5	.132	.244
	N	10	10	10	10
100					
	MEAN	20	57	.31	.72
	S.D.	15.4	51.3	.098	.271
	N	10	10	10	10

Table 27

Summary of Urine Chemistry Data

Males Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
0					
	MEAN	28	102	.37	1.30
	S.D.	15.9	47.8	.227	.281
	N	10	10	10	10
3					
	MEAN	34	102	.46	1.26
	S.D.	11.2	34.0	.227	.274
	N	10	10	10	10
30					
	MEAN	46	135	.43	1.12
	S.D.	20.5	76.2	.197	.266
	N	10	10	10	10
100					
	MEAN	43	114	.46	1.26
	S.D.	25.3	56.2	.186	.413
	N	10	10	9	9

Table 27

Summary of Urine Chemistry Data

Females Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
0					
	MEAN	23	85	.24	.81
	S.D.	16.1	58.0	.164	.318
	N	10	10	8	8
3					
	MEAN	29	66	.26	.61
	S.D.	22.9	43.7	.148	.173
	N	10	10	9	9
30					
	MEAN	21	52	.24	.57
	S.D.	10.7	20.2	.133	.229
	N	9	9	8	8
100					
	MEAN	27	78	.27	.81
	S.D.	20.8	38.4	.098	.191
	N	10	10	10	10

Table 28

Summary of Urine Chemistry Data

Males Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
0					
	MEAN	23	110	.28	1.50
	S.D.	9.5	52.5	.077	.296
	N	10	10	8	8
3					
	MEAN	27	141	.33	1.62
	S.D.	7.2	60.8	.102	.273
	N	10	10	10	10
30					
	MEAN	28	136	.39	1.63
	S.D.	11.2	61.5	.221	.462
	N	10	10	10	10
100					
	MEAN	28	116	.38	1.45
	S.D.	12.5	58.9	.142	.335
	N	10	10	9	9

Table 28

Summary of Urine Chemistry Data

Females Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
0					
	MEAN	29	88	.33	.91
	S.D.	16.8	40.9	.206	.240
	N	10	10	10	10
3					
	MEAN	29	92	.26	.87
	S.D.	23.4	68.9	.086	.283
	N	10	10	8	8
30					
	MEAN	24	101	.24	.98
	S.D.	12.6	60.4	.107	.395
	N	10	10	9	9
100					
	MEAN	31	113	.28	1.01
	S.D.	27.4	82.0	.107	.329
	N	10	10	10	10

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,5;WEEKS=ALL
DEATH=1;SUBSET=T

LIVER

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1	NUMBER IN GROUP:	5	5	5	
		MEAN:	350.7	10.8223	3.0744	
		STANDARD DEV:	33.3	1.5753	0.1520	
M	2	NUMBER IN GROUP:	5	5	5	
		MEAN:	362.8	10.7856	2.9699	
		STANDARD DEV:	32.5	1.1739	0.1104	
M	3	NUMBER IN GROUP:	5	5	5	
		MEAN:	344.4	10.9453	3.1683	
		STANDARD DEV:	28.5	1.5396	0.2257	
F	1	NUMBER IN GROUP:	5	5	5	
		MEAN:	196.1	6.4594	3.3170	
		STANDARD DEV:	20.3	0.4155	0.3676	
F	2	NUMBER IN GROUP:	5	5	5	
		MEAN:	209.0	6.7264	3.2329	
		STANDARD DEV:	29.8	0.7320	0.1459	
F	3	NUMBER IN GROUP:	5	5	5	
		MEAN:	198.8	6.8324	3.4373	
		STANDARD DEV:	17.2	0.6354	0.1362	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,5;WEEKS=ALL
DEATH=1;SUBSET=T

LIVER

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	4	NUMBER IN GROUP:	5	5	5	
		MEAN:	343.8	12.2371	3.5708	
		STANDARD DEV:	36.4	0.9341	0.2090	
M	5	NUMBER IN GROUP:	5	5	5	
		MEAN:	310.0	15.7639	5.0860	
		STANDARD DEV:	28.3	1.4058	0.1240	
F	4	NUMBER IN GROUP:	5	5	5	
		MEAN:	191.3	7.1709	3.7577	
		STANDARD DEV:	13.1	0.5706	0.3444	
F	5	NUMBER IN GROUP:	5	5	5	
		MEAN:	181.6	9.2338	5.1048	
		STANDARD DEV:	15.1	1.4896	0.8198	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=2;SUBSET=ALL

LEFT ADRENAL

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1				
NUMBER IN GROUP:		5	5	5	5
MEAN:		442.3	0.0318	0.0072	0.0146
STANDARD DEV:		31.8	0.0042	0.0013	0.0020
M	5				
NUMBER IN GROUP:		5	5	5	5
MEAN:		317.3 *	0.0278	0.0088	0.0136
STANDARD DEV:		50.6	0.0056	0.0018	0.0029

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
F	1				
NUMBER IN GROUP:		5	5	5	5
MEAN:		257.4	0.0400	0.0155	0.0198
STANDARD DEV:		31.4	0.0077	0.0018	0.0036
F	5				
NUMBER IN GROUP:		5	5 *	5	5
MEAN:		170.3 *	0.0304 *	0.0179	0.0167
STANDARD DEV:		14.1	0.0043	0.0021	0.0023

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=2;SUBSET=ALL

RIGHT ADRENAL

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1				
NUMBER IN GROUP:		5	5	5	5
MEAN:		442.3	0.0295	0.0067	0.0136
STANDARD DEV:		31.8	0.0029	0.0011	0.0014
M	5				
NUMBER IN GROUP:		5	5	5	5
MEAN:		317.3 *	0.0261	0.0082	0.0126
STANDARD DEV:		50.6	0.0064	0.0013	0.0024
F	1				
NUMBER IN GROUP:		5	5	5	5
MEAN:		257.4	0.0373	0.0145	0.0184
STANDARD DEV:		31.4	0.0060	0.0014	0.0029
F	5				
NUMBER IN GROUP:		5	5	5	5
MEAN:		170.3 *	0.0283	0.0166	0.0156
STANDARD DEV:		14.1	0.0078	0.0043	0.0045

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=2;SUBSET=ALL

BRAIN

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M 1					
NUMBER IN GROUP:		5	5	5	5
MEAN:		442.3	2.1728	0.4934	1.0000
STANDARD DEV:		31.8	0.0240	0.0382	0.0000
M 5					
NUMBER IN GROUP:		5	5	5	5
MEAN:	*	317.3	2.0479	0.6519	* 1.0000
STANDARD DEV:		50.6	0.1770	0.0594	0.0000

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
F 1					
NUMBER IN GROUP:		5	5	5	5
MEAN:		257.4	2.0222	0.7919	1.0000
STANDARD DEV:		31.4	0.0981	0.0687	0.0000
F 5					
NUMBER IN GROUP:		5	5	5	5
MEAN:	*	170.3	1.8176	* 1.0704	* 1.0000
STANDARD DEV:		14.1	0.1064	0.0662	0.0000

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=2;SUBSET=ALL

LEFT KIDNEY

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M 1					
NUMBER IN GROUP:		5	5	5	5
MEAN:		442.3	1.4309	0.3240	0.6586
STANDARD DEV:		31.8	0.1350	0.0269	0.0623
M 5					
NUMBER IN GROUP:		5	5	5	5
MEAN:	*	317.3	1.4077	0.4435	* 0.6856
STANDARD DEV:		50.6	0.2404	0.0220	0.0805

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
F 1					
NUMBER IN GROUP:		5	5	5	5
MEAN:		257.4	0.9220	0.3585	0.4550
STANDARD DEV:		31.4	0.1189	0.0268	0.0456
F 5					
NUMBER IN GROUP:		5	5	5	5
MEAN:	*	170.3	* 0.7874	* 0.4640	* 0.4338
STANDARD DEV:		14.1	0.0384	0.0309	0.0216

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=2;SUBSET=ALL

RIGHT KIDNEY

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M 1					
NUMBER IN GROUP:		5	5	5	5
MEAN:		442.3	1.4168	0.3207	0.6520
STANDARD DEV:		31.8	0.1080	0.0177	0.0489
M 5					
NUMBER IN GROUP:		5	5	5	5
MEAN:	*	317.3	1.4785	0.4640 *	0.7191
STANDARD DEV:		50.6	0.2950	0.0242	0.1033

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
F 1					
NUMBER IN GROUP:		5	5	5	5
MEAN:		257.4	0.9348	0.3637	0.4616
STANDARD DEV:		31.4	0.1123	0.0252	0.0441
F 5					
NUMBER IN GROUP:		5	5	5	5
MEAN:	*	170.3	0.7994 *	0.4710 *	0.4400
STANDARD DEV:		14.1	0.0471	0.0323	0.0132

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=2;SUBSET=ALL

LIVER

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M 1					
NUMBER IN GROUP:		5	5	5	5
MEAN:		442.3	11.4244	2.5734	5.2578
STANDARD DEV:		31.8	1.6279	0.2217	0.7478
M 5					
NUMBER IN GROUP:		5	5	5	5
MEAN:	*	317.3	21.6104	6.8321	10.5688
STANDARD DEV:		50.6	3.4376	0.5778	1.4711

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
F 1					
NUMBER IN GROUP:		5	5	5	5
MEAN:		257.4	7.2921	2.8388	3.6049
STANDARD DEV:		31.4	0.7864	0.1198	0.3306
F 5					
NUMBER IN GROUP:		5	5	5	5
MEAN:	*	170.3	11.7394	6.9106	6.4698
STANDARD DEV:		14.1	0.7410	0.3939	0.4478

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=2;SUBSET=ALL

LUNG

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1				
NUMBER IN GROUP:		5	5	5	5
MEAN:		442.3	1.4802	0.3350	0.6809
STANDARD DEV:		31.8	0.1217	0.0213	0.0501
M	5				
NUMBER IN GROUP:		5	5	5	5
MEAN:		317.3 *	1.2530	0.3928 *	0.6091
STANDARD DEV:		50.6	0.2690	0.0306	0.0971

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
F	1				
NUMBER IN GROUP:		5	5	5	5
MEAN:		257.4	1.2546	0.4874	0.6195
STANDARD DEV:		31.4	0.1756	0.0348	0.0726
F	5				
NUMBER IN GROUP:		5	5	5	5
MEAN:		170.3 *	0.8541 *	0.5028	0.4704 *
STANDARD DEV:		14.1	0.0609	0.0340	0.0313

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=2;SUBSET=ALL

LEFT OVARY

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1	NUMBER IN GROUP:	5			
		MEAN:	442.3			
		STANDARD DEV:	31.8			
M	5	NUMBER IN GROUP:	5			
		MEAN:	317.3 *			
		STANDARD DEV:	50.6			
F	1	NUMBER IN GROUP:	5	5	5	5
		MEAN:	257.4	0.0663	0.0255	0.0326
		STANDARD DEV:	31.4	0.0160	0.0043	0.0070
F	5	NUMBER IN GROUP:	5	5	5	5
		MEAN:	170.3 *	0.0468 *	0.0276	0.0258
		STANDARD DEV:	14.1	0.0078	0.0048	0.0048

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=2;SUBSET=ALL

RIGHT OVARY

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1				
NUMBER IN GROUP:		5			
MEAN:		442.3			
STANDARD DEV:		31.8			
M	5				
NUMBER IN GROUP:		5			
MEAN:		317.3 *			
STANDARD DEV:		50.6			
F	1				
NUMBER IN GROUP:		5	5	5	5
MEAN:		257.4	0.0733	0.0282	0.0361
STANDARD DEV:		31.4	0.0184	0.0044	0.0081
F	5				
NUMBER IN GROUP:		5	5	5	5
MEAN:		170.3 *	0.0527	0.0311	0.0291
STANDARD DEV:		14.1	0.0085	0.0050	0.0052

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=2;SUBSET=ALL

SPLEEN

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1				
NUMBER IN GROUP:		5	5	5	5
MEAN:		442.3	0.7326	0.1646	0.3372
STANDARD DEV:		31.8	0.1440	0.0248	0.0666
M	5				
NUMBER IN GROUP:		5	5	5	5
MEAN:		317.3 *	0.5901	0.1852	0.2869
STANDARD DEV:		50.6	0.1298	0.0199	0.0482

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
F	1				
NUMBER IN GROUP:		5	5	5	5
MEAN:		257.4	0.4972	0.1942	0.2454
STANDARD DEV:		31.4	0.0520	0.0188	0.0142
F	5				
NUMBER IN GROUP:		5	5	5	5
MEAN:		170.3 *	0.3599 *	0.2127	0.1981 *
STANDARD DEV:		14.1	0.0407	0.0312	0.0193

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=2;SUBSET=ALL

LEFT TESTIS

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1	NUMBER IN GROUP:	5	5	5	5
		MEAN:	442.3	1.4941	0.3378	0.6875
		STANDARD DEV:	31.8	0.1390	0.0185	0.0615
M	5	NUMBER IN GROUP:	5	5	5	5
		MEAN:	317.3 *	1.7529 *	0.5580 *	0.8581 *
		STANDARD DEV:	50.6	0.1520	0.0501	0.0633
F	1	NUMBER IN GROUP:	5			
		MEAN:	257.4			
		STANDARD DEV:	31.4			
F	5	NUMBER IN GROUP:	5			
		MEAN:	170.3 *			
		STANDARD DEV:	14.1			

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=2;SUBSET=ALL

RIGHT TESTIS

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1	NUMBER IN GROUP:	5	5	5	5
		MEAN:	442.3	1.5159	0.3424	0.6976
		STANDARD DEV:	31.8	0.1642	0.0221	0.0746
M	5	NUMBER IN GROUP:	5	5	5	5
		MEAN:	317.3 *	1.7399	0.5535 *	0.8511 *
		STANDARD DEV:	50.6	0.1642	0.0492	0.0601
F	1	NUMBER IN GROUP:	5			
		MEAN:	257.4			
		STANDARD DEV:	31.4			
F	5	NUMBER IN GROUP:	5			
		MEAN:	170.3 *			
		STANDARD DEV:	14.1			

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=2;SUBSET=ALL

LEFT THYROID/PAR

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M 1					
NUMBER IN GROUP:		5	4	4	4
MEAN:		442.3	0.0128	0.0028	0.0059
STANDARD DEV:		31.8	0.0026	0.0006	0.0012
M 5					
NUMBER IN GROUP:		5	4	4	4
MEAN:	*	317.3	0.0093	0.0031	0.0047
STANDARD DEV:		50.6	0.0015	0.0009	0.0012

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
F 1					
NUMBER IN GROUP:		5	5	5	5
MEAN:		257.4	0.0083	0.0032	0.0041
STANDARD DEV:		31.4	0.0021	0.0007	0.0010
F 5					
NUMBER IN GROUP:		5	4	4	4
MEAN:	*	170.3	0.0076	0.0043	0.0041
STANDARD DEV:		14.1	0.0022	0.0013	0.0013

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=2;SUBSET=ALL

RIGHT THYROID/PR

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1	NUMBER IN GROUP:	5	5	5	5
		MEAN:	442.3	0.0113	0.0025	0.0052
		STANDARD DEV:	31.8	0.0049	0.0010	0.0022
M	5	NUMBER IN GROUP:	5	5	5	5
		MEAN:	317.3 *	0.0102	0.0032	0.0050
		STANDARD DEV:	50.6	0.0033	0.0009	0.0015
F	1	NUMBER IN GROUP:	5	5	5	5
		MEAN:	257.4	0.0074	0.0029	0.0037
		STANDARD DEV:	31.4	0.0022	0.0008	0.0011
F	5	NUMBER IN GROUP:	5	5	5	5
		MEAN:	170.3 *	0.0078	0.0046	0.0043
		STANDARD DEV:	14.1	0.0024	0.0016	0.0014

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=2;SUBSET=ALL

UTERUS

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1					
		NUMBER IN GROUP:	5			
		MEAN:	442.3			
		STANDARD DEV:	31.8			
M	5					
		NUMBER IN GROUP:	5			
		MEAN:	317.3 *			
		STANDARD DEV:	50.6			
F	1					
		NUMBER IN GROUP:	5	5	5	5
		MEAN:	257.4	0.5992	0.2334	0.2958
		STANDARD DEV:	31.4	0.1269	0.0468	0.0584
F	5					
		NUMBER IN GROUP:	5	5	5	5
		MEAN:	170.3 *	0.4823	0.2821	0.2633
		STANDARD DEV:	14.1	0.1903	0.1076	0.0945

Summary of Organ Weight Data

Week 14 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;SUBSET=ALL

LEFT ADRENAL

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1				
NUMBER IN GROUP:		5	5	5	5
MEAN:		535.9	0.0373	0.0069	0.0168
STANDARD DEV:		54.5	0.0080	0.0008	0.0035
M	2				
NUMBER IN GROUP:		5	5	5	5
MEAN:		531.5	0.0277	0.0052	0.0127
STANDARD DEV:		24.6	0.0061	0.0013	0.0031
M	3				
NUMBER IN GROUP:		5	5	5	5
MEAN:		539.3	0.0295	0.0055	0.0129
STANDARD DEV:		70.5	0.0022	0.0007	0.0010
F	1				
NUMBER IN GROUP:		5	5	5	5
MEAN:		291.3	0.0336	0.0119	0.0169
STANDARD DEV:		46.9	0.0052	0.0032	0.0030
F	2				
NUMBER IN GROUP:		5	5	5	5
MEAN:		255.2	0.0360	0.0142	0.0185
STANDARD DEV:		30.7	0.0055	0.0024	0.0025
F	3				
NUMBER IN GROUP:		5	5	5	5
MEAN:		264.2	0.0369	0.0141	0.0186
STANDARD DEV:		31.1	0.0077	0.0030	0.0035

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;SUBSET=ALL

LEFT ADRENAL

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	4					
		NUMBER IN GROUP:	5	5	5	5
		MEAN:	473.3	0.0303	0.0065	0.0139
		STANDARD DEV:	39.1	0.0034	0.0011	0.0019
F	4					
		NUMBER IN GROUP:	5	5	5	5
		MEAN:	236.9	0.0322	0.0137	0.0173
		STANDARD DEV:	21.2	0.0049	0.0027	0.0036

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;SUBSET=ALL

RIGHT ADRENAL

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1				
NUMBER IN GROUP:		5	5	5	5
MEAN:		535.9	0.0353	0.0065	0.0159
STANDARD DEV:		54.5	0.0076	0.0009	0.0033
M	2				
NUMBER IN GROUP:		5	5	5	5
MEAN:		531.5	0.0256*	0.0048 *	0.0118
STANDARD DEV:		24.6	0.0043	0.0009	0.0023
M	3				
NUMBER IN GROUP:		5	5	5	5
MEAN:		539.3	0.0273	0.0051 *	0.0119
STANDARD DEV:		70.5	0.0034	0.0004	0.0012
F	1				
NUMBER IN GROUP:		5	5	5	5
MEAN:		291.3	0.0337	0.0119	0.0171
STANDARD DEV:		46.9	0.0071	0.0034	0.0042
F	2				
NUMBER IN GROUP:		5	5	5	5
MEAN:		255.2	0.0336	0.0132	0.0173
STANDARD DEV:		30.7	0.0052	0.0016	0.0024
F	3				
NUMBER IN GROUP:		5	5	5	5
MEAN:		264.2	0.0345	0.0131	0.0174
STANDARD DEV:		31.1	0.0059	0.0019	0.0025

Summary of Organ Weight Data

Week 14 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;SUBSET=ALL

RIGHT ADRENAL

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	4					
		NUMBER IN GROUP:	5	5	5	5
		MEAN:	473.3	0.0286	0.0061	0.0131
		STANDARD DEV:	39.1	0.0030	0.0009	0.0018
F	4					
		NUMBER IN GROUP:	5	5	5	5
		MEAN:	236.9	0.0307	0.0131	0.0165
		STANDARD DEV:	21.2	0.0036	0.0023	0.0028

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;SUBSET=ALL

BRAIN

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1				
NUMBER IN GROUP:		5	5	5	5
MEAN:		535.9	2.2215	0.4182	1.0000
STANDARD DEV:		54.5	0.0445	0.0452	0.0000
M	2				
NUMBER IN GROUP:		5	5	5	5
MEAN:		531.5	2.1920	0.4126	1.0000
STANDARD DEV:		24.6	0.0960	0.0123	0.0000
M	3				
NUMBER IN GROUP:		5	5	5	5
MEAN:		539.3	2.2818	0.4273	1.0000
STANDARD DEV:		70.5	0.1054	0.0430	0.0000
F	1				
NUMBER IN GROUP:		5	5	5	5
MEAN:		291.3	1.9905	0.6962	1.0000
STANDARD DEV:		46.9	0.0791	0.1058	0.0000
F	2				
NUMBER IN GROUP:		5	5	5	5
MEAN:		255.2	1.9423	0.7665	1.0000
STANDARD DEV:		30.7	0.1026	0.0587	0.0000
F	3				
NUMBER IN GROUP:		5	5	5	5
MEAN:		264.2	1.9846	0.7566	1.0000
STANDARD DEV:		31.1	0.1121	0.0628	0.0000

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;SUBSET=ALL

BRAIN

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	4					
		NUMBER IN GROUP:	5	5	5	5
		MEAN:	473.3	2.1861	0.4642	1.0000
		STANDARD DEV:	39.1	0.0723	0.0397	0.0000
F	4					
		NUMBER IN GROUP:	5	5	5	5
		MEAN:	236.9	1.8793	0.7961	1.0000
		STANDARD DEV:	21.2	0.1322	0.0609	0.0000

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;SUBSET=ALL

LEFT KIDNEY

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	535.9	1.9711	0.3686	0.8874
	STANDARD DEV:	54.5	0.1974	0.0233	0.0880
M	2				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	531.5	1.8955	0.3570	0.8661
	STANDARD DEV:	24.6	0.1575	0.0307	0.0818
M	3				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	539.3	2.0805	0.3863	0.9111
	STANDARD DEV:	70.5	0.2924	0.0302	0.1154
F	1				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	291.3	1.1328	0.3911	0.5688
	STANDARD DEV:	46.9	0.1492	0.0283	0.0667
F	2				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	255.2	0.9311	0.3658	0.4782
	STANDARD DEV:	30.7	0.1262	0.0386	0.0473
F	3				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	264.2	1.1345	0.4307	0.5718
	STANDARD DEV:	31.1	0.1316	0.0362	0.0615

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;SUBSET=ALL

LEFT KIDNEY

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	4					
	NUMBER IN GROUP:		5	5	5	5
	MEAN:		473.3	2.1488	0.4535 *	0.9817
	STANDARD DEV:		39.1	0.2660	0.0313	0.1017
F	4					
	NUMBER IN GROUP:		5	5	5	5
	MEAN:		236.9	0.9648	0.4053	0.5124
	STANDARD DEV:		21.2	0.1536	0.0302	0.0648

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;SUBSET=ALL

RIGHT KIDNEY

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	535.9	2.0585	0.3846	0.9265
	STANDARD DEV:	54.5	0.2090	0.0203	0.0904
M	2				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	531.5	1.9405	0.3656	0.8873
	STANDARD DEV:	24.6	0.1411	0.0297	0.0831
M	3				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	539.3	2.0643	0.3835	0.9041
	STANDARD DEV:	70.5	0.2531	0.0209	0.0972
F	1				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	291.3	1.1236	0.3874	0.5644
	STANDARD DEV:	46.9	0.1700	0.0341	0.0797
F	2				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	255.2	0.9328	0.3652	0.4787
	STANDARD DEV:	30.7	0.1505	0.0354	0.0596
F	3				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	264.2	1.1634	0.4418	0.5865
	STANDARD DEV:	31.1	0.1471	0.0451	0.0712

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;SUBSET=ALL

RIGHT KIDNEY

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	4					
	NUMBER IN GROUP:		5	5	5	5
	MEAN:		473.3	2.1724	0.4581 *	0.9929
	STANDARD DEV:		39.1	0.2812	0.0303	0.1136
F	4					
	NUMBER IN GROUP:		5	5	5	5
	MEAN:		236.9	0.9912	0.4166	0.5264
	STANDARD DEV:		21.2	0.1534	0.0305	0.0638

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;SUBSET=ALL

LIVER

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1				
NUMBER IN GROUP:		5	5	5	5
MEAN:		535.9	15.9996	2.9783	7.2008
STANDARD DEV:		54.5	2.1505	0.1425	0.9432
M	2				
NUMBER IN GROUP:		5	5	5	5
MEAN:		531.5	15.6102	2.9345	7.1245
STANDARD DEV:		24.6	1.7249	0.2531	0.7384
M	3				
NUMBER IN GROUP:		5	5	5	5
MEAN:		539.3	18.0657	3.3764	7.9217
STANDARD DEV:		70.5	1.7387	0.3717	0.7535
F	1				
NUMBER IN GROUP:		5	5	5	5
MEAN:		291.3	8.7487	3.0096	4.4018
STANDARD DEV:		46.9	1.2794	0.1220	0.6612
F	2				
NUMBER IN GROUP:		5	5	5	5
MEAN:		255.2	7.4501	2.9233	3.8304
STANDARD DEV:		30.7	1.0845	0.2753	0.4607
F	3				
NUMBER IN GROUP:		5	5	5	5
MEAN:		264.2	8.8944	3.3658	4.4714
STANDARD DEV:		31.1	1.3628	0.3182	0.5448

Summary of Organ Weight Data

Week 14 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;SUBSET=ALL

LIVER

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	4	NUMBER IN GROUP:	5	5	5	5
		MEAN:	473.3	24.2906 *	5.1173 *	11.1093 *
		STANDARD DEV:	39.1	3.5145	0.3964	1.5191
F	4	NUMBER IN GROUP:	5	5	5	5
		MEAN:	236.9	9.7445	4.1155 *	5.1846
		STANDARD DEV:	21.2	1.1880	0.3584	0.5040

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;SUBSET=ALL

LUNG

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	535.9	1.8736	0.3510	0.8428
	STANDARD DEV:	54.5	0.1592	0.0280	0.0609
M	2				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	531.5	1.7104	0.3226	0.7811
	STANDARD DEV:	24.6	0.0972	0.0267	0.0493
M	3				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	539.3	1.9907	0.3701	0.8707
	STANDARD DEV:	70.5	0.2684	0.0333	0.0899
F	1				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	291.3	1.2020	0.4182	0.6048
	STANDARD DEV:	46.9	0.1063	0.0552	0.0590
F	2				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	255.2	1.1997	0.4698	0.6163
	STANDARD DEV:	30.7	0.1562	0.0101	0.0571
F	3				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	264.2	1.1830	0.4513	0.5968
	STANDARD DEV:	31.1	0.0601	0.0396	0.0305

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;SUBSET=ALL

LUNG

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	4					
		NUMBER IN GROUP:	5	5	5	5
		MEAN:	473.3	1.6290	0.3467	0.7450
		STANDARD DEV:	39.1	0.1108	0.0448	0.0411
F	4					
		NUMBER IN GROUP:	5	5	5	5
		MEAN:	236.9	1.0859	0.4601	0.5784
		STANDARD DEV:	21.2	0.0776	0.0363	0.0303

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;SUBSET=ALL

LEFT OVARY

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1				
	NUMBER IN GROUP:	5			
	MEAN:	535.9			
	STANDARD DEV:	54.5			
M	2				
	NUMBER IN GROUP:	5			
	MEAN:	531.5			
	STANDARD DEV:	24.6			
M	3				
	NUMBER IN GROUP:	5			
	MEAN:	539.3			
	STANDARD DEV:	70.5			
F	1				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	291.3	0.0742	0.0263	0.0374
	STANDARD DEV:	46.9	0.0125	0.0072	0.0067
F	2				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	255.2	0.0523	0.0206	0.0269
	STANDARD DEV:	30.7	0.0097	0.0034	0.0043
F	3				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	264.2	0.0608	0.0230	0.0304
	STANDARD DEV:	31.1	0.0201	0.0070	0.0093

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;SUBSET=ALL

LEFT OVARY

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	4				
	NUMBER IN GROUP:	5			
	MEAN:	473.3			
	STANDARD DEV:	39.1			
F	4				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	236.9	0.0514	0.0218	0.0275
	STANDARD DEV:	21.2	0.0017	0.0016	0.0022

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;SUBSET=ALL

RIGHT OVARY

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1	NUMBER IN GROUP:	5			
		MEAN:	535.9			
		STANDARD DEV:	54.5			
M	2	NUMBER IN GROUP:	5			
		MEAN:	531.5			
		STANDARD DEV:	24.6			
M	3	NUMBER IN GROUP:	5			
		MEAN:	539.3			
		STANDARD DEV:	70.5			
F	1	NUMBER IN GROUP:	5	5	5	5
		MEAN:	291.3	0.0596	0.0208	0.0301
		STANDARD DEV:	46.9	0.0166	0.0061	0.0090
F	2	NUMBER IN GROUP:	5	5	5	5
		MEAN:	255.2	0.0518	0.0201	0.0264
		STANDARD DEV:	30.7	0.0140	0.0047	0.0063
F	3	NUMBER IN GROUP:	5	5	5	5
		MEAN:	264.2	0.0623	0.0236	0.0312
		STANDARD DEV:	31.1	0.0128	0.0040	0.0054

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;SUBSET=ALL

RIGHT OVARY

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	4				
	NUMBER IN GROUP:	5			
	MEAN:	473.3			
	STANDARD DEV:	39.1			
F	4				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	236.9	0.0541	0.0229	0.0289
	STANDARD DEV:	21.2	0.0054	0.0026	0.0036

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;SUBSET=ALL

SPLEEN

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1				
NUMBER IN GROUP:		5	5	5	5
MEAN:		535.9	0.7252	0.1345	0.3266
STANDARD DEV:		54.5	0.1659	0.0257	0.0755
M	2				
NUMBER IN GROUP:		5	5	5	5
MEAN:		531.5	0.8193	0.1544	0.3743
STANDARD DEV:		24.6	0.0229	0.0079	0.0186
M	3				
NUMBER IN GROUP:		5	5	5	5
MEAN:		539.3	0.7152	0.1328	0.3135
STANDARD DEV:		70.5	0.1209	0.0166	0.0524
F	1				
NUMBER IN GROUP:		5	5	5	5
MEAN:		291.3	0.4690	0.1622	0.2360
STANDARD DEV:		46.9	0.0560	0.0152	0.0293
F	2				
NUMBER IN GROUP:		5	5	5	5
MEAN:		255.2	0.4603	0.1793	0.2358
STANDARD DEV:		30.7	0.0829	0.0145	0.0329
F	3				
NUMBER IN GROUP:		5	5	5	5
MEAN:		264.2	0.4512	0.1711	0.2272
STANDARD DEV:		31.1	0.0531	0.0124	0.0226

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;SUBSET=ALL

SPLEEN

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	4	NUMBER IN GROUP:	5	5	5	5
		MEAN:	473.3	0.6639	0.1408	0.3037
		STANDARD DEV:	39.1	0.0293	0.0101	0.0066
F	4	NUMBER IN GROUP:	5	5	5	5
		MEAN:	236.9	0.4064	0.1730	0.2170
		STANDARD DEV:	21.2	0.0722	0.0356	0.0408

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;SUBSET=ALL

LEFT TESTIS

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1	NUMBER IN GROUP:	5	5	5	5
		MEAN:	535.9	1.6975	0.3204	0.7645
		STANDARD DEV:	54.5	0.1684	0.0570	0.0789
M	2	NUMBER IN GROUP:	5	5	5	5
		MEAN:	531.5	1.7368	0.3270	0.7924
		STANDARD DEV:	24.6	0.0912	0.0161	0.0251
M	3	NUMBER IN GROUP:	5	5	5	5
		MEAN:	539.3	1.6528	0.3100	0.7254
		STANDARD DEV:	70.5	0.0711	0.0367	0.0433
F	1	NUMBER IN GROUP:	5			
		MEAN:	291.3			
		STANDARD DEV:	46.9			
F	2	NUMBER IN GROUP:	5			
		MEAN:	255.2			
		STANDARD DEV:	30.7			
F	3	NUMBER IN GROUP:	5			
		MEAN:	264.2			
		STANDARD DEV:	31.1			

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;SUBSET=ALL

LEFT TESTIS

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	4				
NUMBER IN GROUP:		5	5	5	5
MEAN:		473.3	1.7151	0.3629	0.7841
STANDARD DEV:		39.1	0.1400	0.0209	0.0500

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
F	4				
NUMBER IN GROUP:		5			
MEAN:		236.9			
STANDARD DEV:		21.2			

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;SUBSET=ALL

RIGHT TESTIS

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1				
NUMBER IN GROUP:		5	5	5	5
MEAN:		535.9	1.7042	0.3211	0.7677
STANDARD DEV:		54.5	0.1307	0.0473	0.0648
M	2				
NUMBER IN GROUP:		5	5	5	5
MEAN:		531.5	1.7733	0.3339	0.8087
STANDARD DEV:		24.6	0.1140	0.0204	0.0315
M	3				
NUMBER IN GROUP:		5	5	5	5
MEAN:		539.3	1.6684	0.3131	0.7324
STANDARD DEV:		70.5	0.0976	0.0402	0.0561
F	1				
NUMBER IN GROUP:		5			
MEAN:		291.3			
STANDARD DEV:		46.9			
F	2				
NUMBER IN GROUP:		5			
MEAN:		255.2			
STANDARD DEV:		30.7			
F	3				
NUMBER IN GROUP:		5			
MEAN:		264.2			
STANDARD DEV:		31.1			

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;SUBSET=ALL

RIGHT TESTIS

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	4	NUMBER IN GROUP:	5	5	5	5
		MEAN:	473.3	1.7278	0.3653	0.7902
		STANDARD DEV:	39.1	0.1665	0.0253	0.0681
F	4	NUMBER IN GROUP:	5			
		MEAN:	236.9			
		STANDARD DEV:	21.2			

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;SUBSET=ALL

LEFT THYROID/PAR

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1				
NUMBER IN GROUP:		5	5	5	5
MEAN:		535.9	0.0125	0.0023	0.0056
STANDARD DEV:		54.5	0.0029	0.0005	0.0012
M	2				
NUMBER IN GROUP:		5	5	5	5
MEAN:		531.5	0.0114	0.0021	0.0052
STANDARD DEV:		24.6	0.0022	0.0004	0.0010
M	3				
NUMBER IN GROUP:		5	5	5	5
MEAN:		539.3	0.0132	0.0025	0.0058
STANDARD DEV:		70.5	0.0023	0.0006	0.0012
F	1				
NUMBER IN GROUP:		5	5	5	5
MEAN:		291.3	0.0105	0.0036	0.0053
STANDARD DEV:		46.9	0.0040	0.0013	0.0022
F	2				
NUMBER IN GROUP:		5	5	5	5
MEAN:		255.2	0.0076	0.0029	0.0039
STANDARD DEV:		30.7	0.0025	0.0007	0.0012
F	3				
NUMBER IN GROUP:		5	5	5	5
MEAN:		264.2	0.0093	0.0035	0.0047
STANDARD DEV:		31.1	0.0025	0.0008	0.0012

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;SUBSET=ALL

LEFT THYROID/PAR

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	4					
		NUMBER IN GROUP:	5	5	5	5
		MEAN:	473.3	0.0144	0.0031	0.0066
		STANDARD DEV:	39.1	0.0008	0.0003	0.0005
F	4					
		NUMBER IN GROUP:	5	5	5	5
		MEAN:	236.9	0.0092	0.0039	0.0049
		STANDARD DEV:	21.2	0.0017	0.0005	0.0007

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;SUBSET=ALL

RIGHT THYROID/PR

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	535.9	0.0120	0.0022	0.0054
	STANDARD DEV:	54.5	0.0021	0.0003	0.0009
M	2				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	531.5	0.0128	0.0024	0.0058
	STANDARD DEV:	24.6	0.0041	0.0008	0.0017
M	3				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	539.3	0.0138	0.0026	0.0061
	STANDARD DEV:	70.5	0.0019	0.0006	0.0010
F	1				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	291.3	0.0080	0.0029	0.0041
	STANDARD DEV:	46.9	0.0026	0.0011	0.0014
F	2				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	255.2	0.0093	0.0037	0.0048
	STANDARD DEV:	30.7	0.0033	0.0014	0.0017
F	3				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	264.2	0.0119	0.0045	0.0059
	STANDARD DEV:	31.1	0.0042	0.0013	0.0019

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;SUBSET=ALL

RIGHT THYROID/PR

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	4					
		NUMBER IN GROUP:	5	5	5	5
		MEAN:	473.3	0.0125	0.0026	0.0057
		STANDARD DEV:	39.1	0.0014	0.0002	0.0006
F	4					
		NUMBER IN GROUP:	5	5	5	5
		MEAN:	236.9	0.0092	0.0039	0.0048
		STANDARD DEV:	21.2	0.0021	0.0009	0.0008

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;SUBSET=ALL

UTERUS

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1				
NUMBER IN GROUP:		5			
MEAN:		535.9			
STANDARD DEV:		54.5			
M	2				
NUMBER IN GROUP:		5			
MEAN:		531.5			
STANDARD DEV:		24.6			
M	3				
NUMBER IN GROUP:		5			
MEAN:		539.3			
STANDARD DEV:		70.5			
F	1				
NUMBER IN GROUP:		5	5	5	5
MEAN:		291.3	0.6337	0.2209	0.3197
STANDARD DEV:		46.9	0.1022	0.0448	0.0613
F	2				
NUMBER IN GROUP:		5	5	5	5
MEAN:		255.2	0.5244	0.2058	0.2695
STANDARD DEV:		30.7	0.0677	0.0151	0.0269
F	3				
NUMBER IN GROUP:		5	5	5	5
MEAN:		264.2	0.6754	0.2547	0.3404
STANDARD DEV:		31.1	0.1666	0.0519	0.0847

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;SUBSET=ALL

UTERUS

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	4				
NUMBER IN GROUP:		5			
MEAN:		473.3			
STANDARD DEV:		39.1			
F	4				
NUMBER IN GROUP:		5	5	5	5
MEAN:		236.9	0.5414	0.2293	0.2898
STANDARD DEV:		21.2	0.0477	0.0207	0.0368

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=4;SUBSET=ALL

LEFT ADRENAL

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1	NUMBER IN GROUP:	5	5	5	5
		MEAN:	722.2	0.0350	0.0049	0.0147
		STANDARD DEV:	58.0	0.0031	0.0005	0.0016
M	4	NUMBER IN GROUP:	10	10	10	10
		MEAN:	639.0 *	0.0335	0.0053	0.0141
		STANDARD DEV:	71.5	0.0057	0.0011	0.0025
F	1	NUMBER IN GROUP:	5	5	5	5
		MEAN:	406.9	0.0445	0.0112	0.0202
		STANDARD DEV:	32.2	0.0140	0.0043	0.0066
F	4	NUMBER IN GROUP:	10	10	10	10
		MEAN:	306.3 *	0.0375	0.0125	0.0174
		STANDARD DEV:	49.7	0.0061	0.0030	0.0035

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=4;SUBSET=ALL

RIGHT ADRENAL

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1				
NUMBER IN GROUP:		5	5	5	5
MEAN:		722.2	0.0316	0.0044	0.0132
STANDARD DEV:		58.0	0.0049	0.0006	0.0016
M	4				
NUMBER IN GROUP:		10	10	10	10
MEAN:		639.0 *	0.0324	0.0052	0.0137
STANDARD DEV:		71.5	0.0090	0.0016	0.0039

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
F	1				
NUMBER IN GROUP:		5	5	5	5
MEAN:		406.9	0.0409	0.0103	0.0185
STANDARD DEV:		32.2	0.0146	0.0044	0.0067
F	4				
NUMBER IN GROUP:		10	10	10	10
MEAN:		306.3 *	0.0347	0.0117	0.0161
STANDARD DEV:		49.7	0.0041	0.0025	0.0024

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=4;SUBSET=ALL

BRAIN

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1	NUMBER IN GROUP:	5	5	5	5
		MEAN:	722.2	2.3837	0.3307	1.0000
		STANDARD DEV:	58.0	0.1629	0.0180	0.0000
M	4	NUMBER IN GROUP:	10	10	10	10
		MEAN:	639.0 *	2.3804	0.3753 *	1.0000
		STANDARD DEV:	71.5	0.1067	0.0300	0.0000
F	1	NUMBER IN GROUP:	5	5	5	5
		MEAN:	406.9	2.2100	0.5452	1.0000
		STANDARD DEV:	32.2	0.0852	0.0395	0.0000
F	4	NUMBER IN GROUP:	10	10	10	10
		MEAN:	306.3 *	2.1689	0.7201 *	1.0000
		STANDARD DEV:	49.7	0.1318	0.0873	0.0000

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=4;SUBSET=ALL

LEFT KIDNEY

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1	NUMBER IN GROUP:	5	5	5	5
		MEAN:	722.2	2.3249	0.3224	0.9749
		STANDARD DEV:	58.0	0.1910	0.0201	0.0261
M	4	NUMBER IN GROUP:	10	10	10	10
		MEAN:	639.0 *	2.4578	0.3856 *	1.0314
		STANDARD DEV:	71.5	0.3355	0.0421	0.1225
F	1	NUMBER IN GROUP:	5	5	5	5
		MEAN:	406.9	1.3605	0.3375	0.6164
		STANDARD DEV:	32.2	0.1412	0.0587	0.0694
F	4	NUMBER IN GROUP:	10	10	10	10
		MEAN:	306.3 *	1.4508	0.4751 *	0.6686
		STANDARD DEV:	49.7	0.2497	0.0490	0.1064

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=4;SUBSET=ALL

RIGHT KIDNEY

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1	NUMBER IN GROUP:	5	5	5	5
		MEAN:	722.2	2.3397	0.3247	0.9821
		STANDARD DEV:	58.0	0.1416	0.0166	0.0202
M	4	NUMBER IN GROUP:	10	10	10	10
		MEAN:	639.0 *	2.4429	0.3827 *	1.0246
		STANDARD DEV:	71.5	0.3646	0.0415	0.1316
F	1	NUMBER IN GROUP:	5	5	5	5
		MEAN:	406.9	1.4036	0.3486	0.6372
		STANDARD DEV:	32.2	0.1605	0.0654	0.0898
F	4	NUMBER IN GROUP:	10	10	10	10
		MEAN:	306.3 *	1.5208	0.4992 *	0.7013
		STANDARD DEV:	49.7	0.2577	0.0611	0.1130

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=4;SUBSET=ALL

LIVER

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1	NUMBER IN GROUP:	5	5	5	5
		MEAN:	722.2	20.8522	2.8910	8.7696
		STANDARD DEV:	58.0	1.6996	0.1779	0.8214
M	4	NUMBER IN GROUP:	10	10	10	10
		MEAN:	639.0 *	30.8941 *	4.8476 *	12.9831 *
		STANDARD DEV:	71.5	5.4082	0.7573	2.2029
F	1	NUMBER IN GROUP:	5	5	5	5
		MEAN:	406.9	11.1366	2.7565	5.0503
		STANDARD DEV:	32.2	0.5964	0.3325	0.4241
F	4	NUMBER IN GROUP:	10	10	10	10
		MEAN:	306.3 *	17.2772 *	5.6508 *	7.9473 *
		STANDARD DEV:	49.7	3.6046	0.8632	1.5028

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=4;SUBSET=ALL

LUNG

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	722.2	2.1417	0.2979	0.9013
	STANDARD DEV:	58.0	0.2399	0.0401	0.1183
M	4				
	NUMBER IN GROUP:	10	10	10	10
	MEAN:	639.0 *	2.2129	0.3472 *	0.9301
	STANDARD DEV:	71.5	0.3222	0.0412	0.1290
F	1				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	406.9	1.7049	0.4211	0.7742
	STANDARD DEV:	32.2	0.1511	0.0499	0.0974
F	4				
	NUMBER IN GROUP:	10	10	10	10
	MEAN:	306.3 *	1.6432	0.5458 *	0.7592
	STANDARD DEV:	49.7	0.1425	0.0770	0.0720

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=4;SUBSET=ALL

LEFT OVARY

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1	NUMBER IN GROUP:	5			
		MEAN:	722.2			
		STANDARD DEV:	58.0			
M	4	NUMBER IN GROUP:	10			
		MEAN:	639.0 *			
		STANDARD DEV:	71.5			
F	1	NUMBER IN GROUP:	5	5	5	5
		MEAN:	406.9	0.0646	0.0159	0.0292
		STANDARD DEV:	32.2	0.0121	0.0031	0.0055
F	4	NUMBER IN GROUP:	10	10	10	10
		MEAN:	306.3 *	0.0731	0.0245 *	0.0338
		STANDARD DEV:	49.7	0.0139	0.0062	0.0067

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=4;SUBSET=ALL

RIGHT OVARY

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1					
		NUMBER IN GROUP:	5			
		MEAN:	722.2			
		STANDARD DEV:	58.0			
M	4					
		NUMBER IN GROUP:	10			
		MEAN:	639.0 *			
		STANDARD DEV:	71.5			
F	1					
		NUMBER IN GROUP:	5	5	5	5
		MEAN:	406.9	0.0607	0.0150	0.0275
		STANDARD DEV:	32.2	0.0097	0.0026	0.0044
F	4					
		NUMBER IN GROUP:	10	10	10	10
		MEAN:	306.3 *	0.0781	0.0262 *	0.0361
		STANDARD DEV:	49.7	0.0242	0.0096	0.0114

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=4;SUBSET=ALL

SPLEEN

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1				
NUMBER IN GROUP:		5	5	5	5
MEAN:		722.2	0.9636	0.1337	0.4063
STANDARD DEV:		58.0	0.1238	0.0168	0.0660
M	4				
NUMBER IN GROUP:		10	10	10	10
MEAN:		639.0 *	0.9192	0.1421	0.3838
STANDARD DEV:		71.5	0.3274	0.0398	0.1251

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
F	1				
NUMBER IN GROUP:		5	5	5	5
MEAN:		406.9	0.6205	0.1531	0.2808
STANDARD DEV:		32.2	0.0408	0.0135	0.0155
F	4				
NUMBER IN GROUP:		10	10	10	10
MEAN:		306.3 *	0.5425	0.1792	0.2507
STANDARD DEV:		49.7	0.0914	0.0311	0.0442

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=4;SUBSET=ALL

LEFT TESTIS

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1	NUMBER IN GROUP:	5	5	5	5
		MEAN:	722.2	1.6043	0.2228	0.6747
		STANDARD DEV:	58.0	0.1032	0.0164	0.0509
M	4	NUMBER IN GROUP:	10	10	10	10
		MEAN:	639.0 *	1.7040	0.2710	0.7196
		STANDARD DEV:	71.5	0.2865	0.0609	0.1362
F	1	NUMBER IN GROUP:	5			
		MEAN:	406.9			
		STANDARD DEV:	32.2			
F	4	NUMBER IN GROUP:	10			
		MEAN:	306.3 *			
		STANDARD DEV:	49.7			

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=4;SUBSET=ALL

RIGHT TESTIS

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	722.2	1.6110	0.2237	0.6772
	STANDARD DEV:	58.0	0.0997	0.0145	0.0428
M	4				
	NUMBER IN GROUP:	10	10	10	10
	MEAN:	639.0 *	1.7805 *	0.2825 *	0.7506
	STANDARD DEV:	71.5	0.1392	0.0442	0.0799
F	1				
	NUMBER IN GROUP:	5			
	MEAN:	406.9			
	STANDARD DEV:	32.2			
F	4				
	NUMBER IN GROUP:	10			
	MEAN:	306.3 *			
	STANDARD DEV:	49.7			

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=4;SUBSET=ALL

LEFT THYROID/PAR

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1	NUMBER IN GROUP:	5	5	5	5
		MEAN:	722.2	0.0151	0.0021	0.0063
		STANDARD DEV:	58.0	0.0027	0.0003	0.0011
M	4	NUMBER IN GROUP:	10	10	10	10
		MEAN:	639.0 *	0.0235 *	0.0037 *	0.0099 *
		STANDARD DEV:	71.5	0.0038	0.0004	0.0015
F	1	NUMBER IN GROUP:	5	5	5	5
		MEAN:	406.9	0.0148	0.0037	0.0068
		STANDARD DEV:	32.2	0.0045	0.0011	0.0022
F	4	NUMBER IN GROUP:	10	10	10	10
		MEAN:	306.3 *	0.0156	0.0052	0.0072
		STANDARD DEV:	49.7	0.0053	0.0021	0.0024

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=4;SUBSET=ALL

RIGHT THYROID/PR

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1	NUMBER IN GROUP:	5	5	5	5
		MEAN:	722.2	0.0189	0.0026	0.0079
		STANDARD DEV:	58.0	0.0044	0.0004	0.0016
M	4	NUMBER IN GROUP:	10	10	10	10
		MEAN:	639.0 *	0.0250	0.0039 *	0.0105
		STANDARD DEV:	71.5	0.0061	0.0006	0.0024
F	1	NUMBER IN GROUP:	5	5	5	5
		MEAN:	406.9	0.0167	0.0041	0.0076
		STANDARD DEV:	32.2	0.0044	0.0008	0.0019
F	4	NUMBER IN GROUP:	10	10	10	10
		MEAN:	306.3 *	0.0160	0.0054	0.0074
		STANDARD DEV:	49.7	0.0064	0.0025	0.0029

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=4;SUBSET=ALL

UTERUS

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1	NUMBER IN GROUP:	5			
		MEAN:	722.2			
		STANDARD DEV:	58.0			
M	4	NUMBER IN GROUP:	10			
		MEAN:	639.0 *			
		STANDARD DEV:	71.5			
F	1	NUMBER IN GROUP:	5	5	5	5
		MEAN:	406.9	1.1161	0.2806	0.5103
		STANDARD DEV:	32.2	0.4939	0.1321	0.2406
F	4	NUMBER IN GROUP:	10	10	10	10
		MEAN:	306.3 *	1.1694	0.3855	0.5408
		STANDARD DEV:	49.7	0.2972	0.0989	0.1387

Table 33

Incidence of Macroscopic Observations

Week 4 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,5;WEEKS=ALL
DEATH=1;SUBSET=T

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
	SEX:	----------MALE---------					---------FEMALE--------				
	GROUP:	-1-	-2-	-3-	-4-	-5-	-1-	-2-	-3-	-4-	-5-
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	5	5	5	5	5	5	5	5	5	5
** TOP OF LIST **											
LIVER (LI)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5	5	5

** END OF LIST

Incidence of Macroscopic Observations

Week 8 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=2;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-5-	-1-	-5-
NUMBER:		5	5	5	5
** TOP OF LIST **					
GENERAL COMMENT (GC)	NUMBER EXAMINED:	5	5	5	5
NO MACROSCOPIC LESIONS		4	0	4	1
BONE MARROW SMEAR TAKEN		5	5	5	5
BONE, FEMUR (FE)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
MARROW, FEMUR (FM)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
MARROW, STERNUM (SE)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
BONE, STERNUM (SB)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
EYE (EY)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5

Incidence of Macroscopic Observations

Week 8 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=2;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-5-	-1-	-5-
NUMBER:		5	5	5	5
BRAIN (BR)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
SPINAL CORD (SC)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
LUNG (LU)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	4	5	5	5
MOTTLED		1	0	0	0
KIDNEY (KD)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
LIVER (LI)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	0	5	2
LIGHT FOCUS(I)/AREA(S)		0	1	0	0
LARGE		0	5	0	2
MOTTLED		0	0	0	1
DIFFUSELY DARK		0	2	0	2
DEPRESSED FOCUS(I)/AREA(S)		0	1	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=2;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-5-	-1-	-5-
NUMBER:		5	5	5	5
HEART (HT)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
MUSCLE, SKELETAL (SM)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
NERVE, SCIATIC (SN)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
LN, MESENTERIC (MS)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
SPLEEN (SP)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
THYMUS (TH)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	4
RED FOCUS(I)/AREA(S)		0	0	0	1
ESOPHAGUS (ES)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5

Incidence of Macroscopic Observations

Week 8 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=2;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-5-	-1-	-5-
NUMBER:		5	5	5	5
THYROID (TY)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
PARATHYROID (PT)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
TRACHEA (TR)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	4	5	5
DIFFUSELY RED		0	1	0	0
ADRENAL, MEDULLA (MA)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
PITUITARY (PI)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
HARDERIAN GLAND (HG)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5

Incidence of Macroscopic Observations

Week 8 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=2;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-5-	-1-	-5-
NUMBER:		5	5	5	5
SALIV GL, MANDIB (SG)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
PANCREAS (PA)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
STOMACH, GL (ST)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	3	5	4
DARK FOCUS(I)/AREA(S)		0	1	0	1
RED FOCUS(I)/AREA(S)		0	1	0	0
STOMACH, NONGL (SU)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
DUODENUM (DU)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
JEJUNUM (JE)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=2;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-5-	-1-	-5-
NUMBER:		5	5	5	5
ILEUM (IL)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
CECUM (CE)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	4	5	5
DIFFUSELY RED		0	1	0	0
COLON (CO)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
RECTUM (RE)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
SKIN (SK)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
URINARY BLADDER (UB)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
PROSTATE (PR)	NUMBER EXAMINED:	5	5	0	0
	NOT REMARKABLE:	5	5	0	0

Incidence of Macroscopic Observations

Week 8 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=2;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-5-	-1-	-5-
NUMBER:		5	5	5	5
SEMINAL VESICLES (SV)	NUMBER EXAMINED:	5	5	0	0
	NOT REMARKABLE:	5	5	0	0
EPIDIDYMIDES (EP)	NUMBER EXAMINED:	5	5	0	0
	NOT REMARKABLE:	5	5	0	0
TESTIS (TE)	NUMBER EXAMINED:	5	5	0	0
	NOT REMARKABLE:	5	5	0	0
MAMMARY, FEMALE (MF)	NUMBER EXAMINED:	0	0	5	5
	NOT REMARKABLE:	0	0	5	5
CERVIX (CV)	NUMBER EXAMINED:	0	0	5	5
	NOT REMARKABLE:	0	0	5	5
UTERUS (UT)	NUMBER EXAMINED:	0	0	5	5
	NOT REMARKABLE:	0	0	5	4
LUMEN FILLED WITH FLUID		0	0	0	1
OVARY (OV)	NUMBER EXAMINED:	0	0	5	5
	NOT REMARKABLE:	0	0	5	5

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=2;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-5-	-1-	-5-
NUMBER:		5	5	5	5
VAGINA (VA)	NUMBER EXAMINED:	0	0	5	5
	NOT REMARKABLE:	0	0	5	5
LN, MEDIASTINAL (ML)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
LN, MANDIBULAR (MN)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	4	5	4	5
DIFFUSELY RED		1	0	1	0
CAVITY, ORAL (OC)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
LN, ANT MES/PANC (AP)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
CAVITY, ABDOM (PC)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	4	5	5
EDEMA		0	1	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=2;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-5-	-1-	-5-
NUMBER:		5	5	5	5
CALVARIUM/SKULL (CA)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
MAMMARY, MALE (MM)	NUMBER EXAMINED:	5	5	0	0
	NOT REMARKABLE:	5	5	0	0
LN, LUMBAR/ILIAC (LM)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
ANUS (AN)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
LN, RENAL (RL)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
TAIL (TI)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
PENIS (PE)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=2;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-5-	-1-	-5-
NUMBER:		5	5	5	5
LN, INGUINAL (IN)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
CAVITY, THORACIC (TA)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
FOOT/FOOTPAD(S) (FP)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
LN, AXILLARY (AX)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
LN, TRACHEOBRON (TB)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
ADIPOSE TISSUE (AT)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
JOINT, OTHER (JT)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=2;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-5-	-1-	-5-
NUMBER:		5	5	5	5
AORTA (AO)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
LN, POPLITEAL (PP)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
SUBCUTANEOUS TIS (SQ)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
TONGUE (TO)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
URETER (UE)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
AORTIC ARCH (AA)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
TESTIS/EPIDIDYM (TP)	NUMBER EXAMINED:	5	5	0	0
	NOT REMARKABLE:	5	5	0	0

Incidence of Macroscopic Observations

Week 8 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=2;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-5-	-1-	-5-
NUMBER:		5	5	5	5
PINNA (PN)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
THYROID/PARATHYR (TT)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
DIAPHRAGM (DP)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
BILE DUCT (BD)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
AUDITORY SEB GL (AS)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
ADRENAL (AD)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5

** END OF LIST **

Incidence of Macroscopic Observations

Week 14 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- NUMBER-OF-ANIMALS-AFFECTED ---							
	SEX:	-------MALE-------				------FEMALE------			
	GROUP:	-1-	-2-	-3-	-4-	-1-	-2-	-3-	-4-
	NUMBER:	5	5	5	5	5	5	5	5
** TOP OF LIST **									
GENERAL COMMENT (GC)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
NO MACROSCOPIC LESIONS		2	2	5	4	3	4	2	4
BONE MARROW SMEAR TAKEN		5	5	5	5	5	5	5	5
URINARY BLADDER-SMALL LUMEN		0	0	0	0	0	0	1	0
BONE, FEMUR (FE)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
MARROW, FEMUR (FM)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
MARROW, STERNUM (SE)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
BONE, STERNUM (SB)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
EYE (EY)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- NUMBER-OF-ANIMALS-AFFECTED ---							
SEX:		-------MALE-------				------FEMALE------			
GROUP:		-1-	-2-	-3-	-4-	-1-	-2-	-3-	-4-
NUMBER:		5	5	5	5	5	5	5	5
BRAIN (BR)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
SPINAL CORD (SC)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
LUNG (LU)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
KIDNEY (KD)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	4	5	5	5	5	5	5	5
LARGE PELVIS(ES)		1	0	0	0	0	0	0	0
LIVER (LI)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	4	5	5	5	5	5	5	5
MOTTLED		1	0	0	0	0	0	0	0
HEART (HT)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- NUMBER-OF-ANIMALS-AFFECTED ---							
SEX:		-------MALE-------				------FEMALE------			
GROUP:		-1-	-2-	-3-	-4-	-1-	-2-	-3-	-4-
NUMBER:		5	5	5	5	5	5	5	5
MUSCLE, SKELETAL (SM)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
NERVE, SCIATIC (SN)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
LN, MESENTERIC (MS)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
SPLEEN (SP)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
THYMUS (TH)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	4	5	5	5	5	5	5	5
MOTTLED		1	0	0	0	0	0	0	0
ESOPHAGUS (ES)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
THYROID (TY)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---							
SEX:		-------MALE-------				------FEMALE------			
GROUP:		-1-	-2-	-3-	-4-	-1-	-2-	-3-	-4-
NUMBER:		5	5	5	5	5	5	5	5
PARATHYROID (PT)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
TRACHEA (TR)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
ADRENAL, MEDULLA (MA)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
PITUITARY (PI)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
HARDERIAN GLAND (HG)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
SALIV GL, MANDIB (SG)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- NUMBER-OF-ANIMALS-AFFECTED ---							
SEX:		-------MALE-------				------FEMALE------			
GROUP:		-1-	-2-	-3-	-4-	-1-	-2-	-3-	-4-
NUMBER:		5	5	5	5	5	5	5	5
PANCREAS (PA)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
STOMACH, GL (ST)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	4	4	5	5	4	5	3	4
DARK FOCUS(I)/AREA(S)		0	0	0	0	0	0	1	0
RED FOCUS(I)/AREA(S)		1	1	0	0	1	0	1	1
STOMACH, NONGL (SU)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
DUODENUM (DU)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
JEJUNUM (JE)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
ILEUM (IL)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- NUMBER-OF-ANIMALS-AFFECTED ---							
SEX:		-------MALE-------				------FEMALE------			
GROUP:		-1-	-2-	-3-	-4-	-1-	-2-	-3-	-4-
NUMBER:		5	5	5	5	5	5	5	5
CECUM (CE)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
COLON (CO)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
RECTUM (RE)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
SKIN (SK)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	4	5	5	4	5
ALOPECIA-FOCAL		0	0	0	0	0	0	1	0
RED FOCUS(I)/AREA(S)		0	0	0	1	0	0	0	0
URINARY BLADDER (UB)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
PROSTATE (PR)	NUMBER EXAMINED:	5	5	5	5	0	0	0	0
	NOT REMARKABLE:	4	5	5	5	0	0	0	0
LARGE		1	0	0	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- NUMBER-OF-ANIMALS-AFFECTED ---							
SEX:		-------MALE-------				------FEMALE------			
GROUP:		-1-	-2-	-3-	-4-	-1-	-2-	-3-	-4-
NUMBER:		5	5	5	5	5	5	5	5
SEMINAL VESICLES (SV)	NUMBER EXAMINED:	5	5	5	5	0	0	0	0
	NOT REMARKABLE:	4	5	5	5	0	0	0	0
LARGE		1	0	0	0	0	0	0	0
EPIDIDYMIDES (EP)	NUMBER EXAMINED:	5	5	5	5	0	0	0	0
	NOT REMARKABLE:	5	5	5	5	0	0	0	0
TESTIS (TE)	NUMBER EXAMINED:	5	5	5	5	0	0	0	0
	NOT REMARKABLE:	5	5	5	5	0	0	0	0
MAMMARY, FEMALE (MF)	NUMBER EXAMINED:	0	0	0	0	5	5	5	5
	NOT REMARKABLE:	0	0	0	0	5	5	5	5
CERVIX (CV)	NUMBER EXAMINED:	0	0	0	0	5	5	5	5
	NOT REMARKABLE:	0	0	0	0	5	5	5	5
UTERUS (UT)	NUMBER EXAMINED:	0	0	0	0	5	5	5	5
	NOT REMARKABLE:	0	0	0	0	5	5	4	5
LUMEN FILLED WITH FLUID		0	0	0	0	0	0	1	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- NUMBER-OF-ANIMALS-AFFECTED ---							
SEX:		-------MALE-------				------FEMALE------			
GROUP:		-1-	-2-	-3-	-4-	-1-	-2-	-3-	-4-
NUMBER:		5	5	5	5	5	5	5	5
OVARY (OV)	NUMBER EXAMINED:	0	0	0	0	5	5	5	5
	NOT REMARKABLE:	0	0	0	0	4	5	5	5
CYST(S)		0	0	0	0	1	0	0	0
VAGINA (VA)	NUMBER EXAMINED:	0	0	0	0	5	5	5	5
	NOT REMARKABLE:	0	0	0	0	5	5	5	5
LN, MEDIASTINAL (ML)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
LN, MANDIBULAR (MN)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	4	3	5	5	5	4	4	5
DIFFUSELY RED		1	2	0	0	0	0	1	0
RED FOCUS(I)/AREA(S)		0	0	0	0	0	1	0	0
CAVITY, ORAL (OC)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
LN, ANT MES/PANC (AP)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- NUMBER-OF-ANIMALS-AFFECTED ---							
SEX:		-------MALE-------				------FEMALE------			
GROUP:		-1-	-2-	-3-	-4-	-1-	-2-	-3-	-4-
NUMBER:		5	5	5	5	5	5	5	5
CAVITY, ABDOM (PC)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
CALVARIUM/SKULL (CA)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
MAMMARY, MALE (MM)	NUMBER EXAMINED:	5	5	5	5	0	0	0	0
	NOT REMARKABLE:	5	5	5	5	0	0	0	0
LN, LUMBAR/ILIAC (LM)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
ANUS (AN)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
LN, RENAL (RL)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
TAIL (TI)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- NUMBER-OF-ANIMALS-AFFECTED ---							
SEX:		-------MALE-------				------FEMALE------			
GROUP:		-1-	-2-	-3-	-4-	-1-	-2-	-3-	-4-
NUMBER:		5	5	5	5	5	5	5	5
PENIS (PE)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
LN, INGUINAL (IN)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
CAVITY, THORACIC (TA)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
FOOT/FOOTPAD(S) (FP)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
LN, AXILLARY (AX)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
LN, TRACHEOBRON (TB)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
ADIPOSE TISSUE (AT)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- NUMBER-OF-ANIMALS-AFFECTED ---							
SEX:		-------MALE-------				------FEMALE------			
GROUP:		-1-	-2-	-3-	-4-	-1-	-2-	-3-	-4-
NUMBER:		5	5	5	5	5	5	5	5
JOINT, OTHER (JT)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
AORTA (AO)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
LN, POPLITEAL (PP)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
SUBCUTANEOUS TIS (SQ)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
TONGUE (TO)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
URETER (UE)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
AORTIC ARCH (AA)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D --- SEX: -------MALE-------				------FEMALE------			
	GROUP:	-1-	-2-	-3-	-4-	-1-	-2-	-3-	-4-
	NUMBER:	5	5	5	5	5	5	5	5
TESTIS/EPIDIDYM (TP)	NUMBER EXAMINED:	5	5	5	5	0	0	0	0
	NOT REMARKABLE:	5	5	5	5	0	0	0	0
PINNA (PN)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
THYROID/PARATHYR (TT)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
DIAPHRAGM (DP)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
BILE DUCT (BD)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
AUDITORY SEB GL (AS)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
ADRENAL (AD)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5

** END OF LIST **

Incidence of Macroscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,4;WEEKS=ALL
DEATH=4;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- NUMBER-OF-ANIMALS-AFFECTED ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-4-	-1-	-4-
NUMBER:		5	10	5	10
** TOP OF LIST **					
GENERAL COMMENT (GC)	NUMBER EXAMINED:	5	10	5	10
NO MACROSCOPIC LESIONS		3	3	2	1
BLOOD FILM TAKEN		5	10	5	10
DISCHARGE-OCULAR		0	1	0	0
MALOCCLUSION		0	4	0	2
BONE MARROW SMEAR TAKEN		5	10	5	10
TEETH MISSING/BROKEN/WORN		0	3	0	1
BONE, FEMUR (FE)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
MARROW, FEMUR (FM)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
MARROW, STERNUM (SE)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
BONE, STERNUM (SB)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10

Incidence of Macroscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,4;WEEKS=ALL
DEATH=4;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
	SEX:	--MALE--		-FEMALE-	
	GROUP:	-1-	-4-	-1-	-4-
	NUMBER:	5	10	5	10
EYE (EY)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
BRAIN (BR)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	9	5	8
COMPRESSED (HYPOTHALAMUS)		0	1	0	2
SPINAL CORD (SC)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
LUNG (LU)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	8
LIGHT FOCUS(I)/AREA(S)		0	0	0	2
KIDNEY (KD)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
LIVER (LI)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	4	9
LIGHT FOCUS(I)/AREA(S)		0	0	0	1
MOTTLED		0	0	1	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,4;WEEKS=ALL
DEATH=4;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-4-	-1-	-4-
NUMBER:		5	10	5	10
HEART (HT)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
MUSCLE, SKELETAL (SM)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
NERVE, SCIATIC (SN)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
LN, MESENTERIC (MS)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	9
DIFFUSELY RED		0	0	0	1
SPLEEN (SP)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
THYMUS (TH)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
ESOPHAGUS (ES)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,4;WEEKS=ALL
DEATH=4;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-4-	-1-	-4-
NUMBER:		5	10	5	10
THYROID (TY)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
PARATHYROID (PT)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
TRACHEA (TR)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	4	10	5	10
DARK FOCUS(I)/AREA(S)		1	0	0	0
ADRENAL, MEDULLA (MA)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
PITUITARY (PI)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	8	4	7
MASS(ES)		0	2	0	2
DARK FOCUS(I)/AREA(S)		0	0	1	0
RED FOCUS(I)/AREA(S)		0	0	0	1

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,4;WEEKS=ALL
DEATH=4;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-4-	-1-	-4-
NUMBER:		5	10	5	10
HARDERIAN GLAND (HG)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
SALIV GL, MANDIB (SG)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
PANCREAS (PA)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
STOMACH, GL (ST)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	9	4	4
DARK FOCUS(I)/AREA(S)		0	1	1	6
STOMACH, NONGL (SU)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
DUODENUM (DU)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
JEJUNUM (JE)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,4;WEEKS=ALL
DEATH=4;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
	SEX:	--MALE--		-FEMALE-	
	GROUP:	-1-	-4-	-1-	-4-
	NUMBER:	5	10	5	10
ILEUM (IL)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
CECUM (CE)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
COLON (CO)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
RECTUM (RE)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
SKIN (SK)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
URINARY BLADDER (UB)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
PROSTATE (PR)	NUMBER EXAMINED:	5	10	0	0
	NOT REMARKABLE:	5	10	0	0

Incidence of Macroscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,4;WEEKS=ALL
DEATH=4;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-4-	-1-	-4-
NUMBER:		5	10	5	10
SEMINAL VESICLES (SV)	NUMBER EXAMINED:	5	10	0	0
	NOT REMARKABLE:	5	10	0	0
EPIDIDYMIDES (EP)	NUMBER EXAMINED:	5	10	0	0
	NOT REMARKABLE:	5	10	0	0
TESTIS (TE)	NUMBER EXAMINED:	5	10	0	0
	NOT REMARKABLE:	5	10	0	0
MAMMARY, FEMALE (MF)	NUMBER EXAMINED:	0	0	5	10
	NOT REMARKABLE:	0	0	4	8
MASS(ES)		0	0	0	1
CYST(S)		0	0	1	2
CERVIX (CV)	NUMBER EXAMINED:	0	0	5	10
	NOT REMARKABLE:	0	0	5	10
UTERUS (UT)	NUMBER EXAMINED:	0	0	5	10
	NOT REMARKABLE:	0	0	3	8
LUMEN FILLED WITH FLUID		0	0	1	1
CYST(S)		0	0	1	0

** CONTINUED ON NEXT PAGE **

Incidence of Macroscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,4;WEEKS=ALL
DEATH=4;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-4-	-1-	-4-
NUMBER:		5	10	5	10
** FROM PREVIOUS PAGE **					
UTERUS (UT)	NUMBER EXAMINED:	0	0	5	10
	NOT REMARKABLE:	0	0	3	8
THICKENED WALL		0	0	0	1
OVARY (OV)	NUMBER EXAMINED:	0	0	5	10
	NOT REMARKABLE:	0	0	5	9
CYST(S)		0	0	0	1
VAGINA (VA)	NUMBER EXAMINED:	0	0	5	10
	NOT REMARKABLE:	0	0	5	10
LN, MEDIASTINAL (ML)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
LN, MANDIBULAR (MN)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	4	9	4	10
DIFFUSELY RED		1	1	1	0
CAVITY, ORAL (OC)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,4;WEEKS=ALL
DEATH=4;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
	SEX:	--MALE--		-FEMALE-	
	GROUP:	-1-	-4-	-1-	-4-
	NUMBER:	5	10	5	10
LN, ANT MES/PANC (AP)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
CAVITY, ABDOM (PC)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	9
MASS(ES)		0	0	0	1
CALVARIUM/SKULL (CA)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
MAMMARY, MALE (MM)	NUMBER EXAMINED:	5	10	0	0
	NOT REMARKABLE:	5	10	0	0
LN, LUMBAR/ILIAC (LM)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
ANUS (AN)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
LN, RENAL (RL)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10

Incidence of Macroscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,4;WEEKS=ALL
DEATH=4;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-4-	-1-	-4-
NUMBER:		5	10	5	10
TAIL (TI)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	9
RAISED AREA(S)		0	0	0	1
PENIS (PE)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
LN, INGUINAL (IN)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
CAVITY, THORACIC (TA)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
FOOT/FOOTPAD(S) (FP)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
LN, AXILLARY (AX)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
LN, TRACHEOBRON (TB)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10

TABLE INCLUDES:
SEX=ALL;GROUP=1,4;WEEKS=ALL
DEATH=4;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-4-	-1-	-4-
NUMBER:		5	10	5	10
ADIPOSE TISSUE (AT)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
JOINT, OTHER (JT)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
AORTA (AO)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
LN, POPLITEAL (PP)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
SUBCUTANEOUS TIS (SQ)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
TONGUE (TO)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
URETER (UE)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10

Incidence of Macroscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,4;WEEKS=ALL
DEATH=4;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
	SEX:	--MALE--		-FEMALE-	
	GROUP:	-1-	-4-	-1-	-4-
	NUMBER:	5	10	5	10
AORTIC ARCH (AA)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
TESTIS/EPIDIDYM (TP)	NUMBER EXAMINED:	5	10	0	0
	NOT REMARKABLE:	5	10	0	0
PINNA (PN)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
THYROID/PARATHYR (TT)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
DIAPHRAGM (DP)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
BILE DUCT (BD)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
AUDITORY SEB GL (AS)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,4;WEEKS=ALL
DEATH=4;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
	SEX:	--MALE--		-FEMALE-	
	GROUP:	-1-	-4-	-1-	-4-
	NUMBER:	5	10	5	10
ADRENAL (AD)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10

** END OF LIST **

Incidence of Macroscopic Observations

Terminal and Recovery Sacrifices

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL
DEATH=T,U;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- NUMBER-OF-ANIMALS-AFFECTED ---									
SEX:		----------MALE----------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
NUMBER:		14	22	22	17	10	13	13	15	19	12
** TOP OF LIST **											
GENERAL COMMENT (GC)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
NO MACROSCOPIC LESIONS		0	0	1	0	0	0	0	0	2	0
STAINS-PERINEUM/PERIANAL		0	3	0	1	1	1	0	1	0	0
BLOOD FILM TAKEN		14	22	22	17	10	13	12	15	19	12
DISCHARGE-OCULAR		2	0	2	3	1	0	1	1	1	0
DISCHARGE-NASAL		0	1	0	0	0	0	0	0	0	1
MALOCCLUSION		1	3	2	7	4	0	2	2	4	2
STAINS - SKIN/HAIRCOAT		1	1	1	0	1	0	0	0	1	0
ANIMAL THIN		2	0	0	0	0	0	0	0	1	1
GI TRACT-DARK FLUID CONTENT		0	0	0	0	0	0	0	1	0	0
BONE MARROW SMEAR TAKEN		14	22	22	17	10	13	13	15	17	12
TEETH MISSING/BROKEN/WORN		1	1	0	2	0	1	0	1	0	1
ANIMAL OBESE		3	6	7	2	2	0	1	1	0	1
FLUID-ABDOMINAL CAVITY		0	0	0	0	0	0	0	0	1	0
BONE, FEMUR (FE)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	14	22	22	17	10	13	13	15	19	12
MARROW, FEMUR (FM)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	14	22	22	17	10	13	13	15	19	12
MARROW, STERNUM (SE)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	14	22	22	17	10	13	13	15	19	12

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL
DEATH=T,U;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
SEX:		----------MALE---------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
NUMBER:		14	22	22	17	10	13	13	15	19	12
BONE, STERNUM (SB)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	14	22	22	17	10	13	13	15	19	12
EYE (EY)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	13	21	22	17	10	13	13	15	18	12
OPAQUE CORNEA		1	1	0	0	0	0	0	0	0	0
RED INTRAOCULAR MATERIAL		0	0	0	0	0	0	0	0	1	0
BRAIN (BR)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	12	18	19	14	6	7	7	7	11	6
COMPRESSED (HYPOTHALAMUS)		2	4	3	3	4	6	6	8	8	6
SPINAL CORD (SC)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	14	22	22	17	10	13	13	15	19	12
LUNG (LU)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	14	22	21	16	9	13	13	15	17	10
LIGHT FOCUS(I)/AREA(S)		0	0	0	1	1	0	0	0	2	2
ADHESION(S)		0	0	1	0	0	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL
DEATH=T,U;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- NUMBER-OF-ANIMALS-AFFECTED ---									
SEX:		----------MALE----------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
NUMBER:		14	22	22	17	10	13	13	15	19	12
KIDNEY (KD)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	13	17	18	13	7	11	12	15	17	10
LARGE PELVIS(ES)		0	1	4	1	2	1	0	0	0	1
ROUGH SURFACE, DIFFUSE		1	3	1	1	0	1	0	0	0	0
DIFFUSELY LIGHT		1	3	0	1	0	0	0	0	1	0
CYST(S)		1	3	0	0	0	0	0	0	2	0
DIFFUSELY DARK		0	0	0	2	0	0	0	0	0	0
GRANULAR MATERIAL		0	0	1	0	0	0	1	0	0	0
LARGE		1	2	0	0	0	0	0	0	0	0
MASS(ES)		0	0	0	0	1	0	0	0	0	1
DARK FOCUS(I)/AREA(S)		0	1	0	0	0	0	0	0	0	0
SMALL		0	0	1	0	0	0	0	0	0	0
LIVER (LI)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	6	7	10	4	5	8	7	10	4	4
LIGHT FOCUS(I)/AREA(S)		0	2	1	2	1	0	2	1	2	4
LARGE		0	1	0	3	0	0	0	0	1	0
MOTTLED		0	2	4	5	1	1	0	1	3	1
DIFFUSELY DARK		0	0	0	1	0	0	0	0	4	0
DIFFUSELY LIGHT		0	0	1	0	0	0	1	0	0	0
MASS(ES)		1	1	0	3	0	0	1	0	3	0
RED FOCUS(I)/AREA(S)		8	11	9	3	3	3	3	5	7	5
DARK FOCUS(I)/AREA(S)		0	0	0	2	0	0	1	0	2	0
CYST(S)		1	0	0	0	0	0	0	0	0	0
ADHESION(S)		0	0	0	0	0	1	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL
DEATH=T,U;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
SEX:		----------MALE----------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
NUMBER:		14	22	22	17	10	13	13	15	19	12
** FROM PREVIOUS PAGE **											
LIVER (LI)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	6	7	10	4	5	8	7	10	4	4
MASS #2		0	0	0	0	0	0	0	0	1	1
HEART (HT)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	14	21	22	17	10	13	13	15	19	12
LIGHT FOCUS(I)/AREA(S)		0	1	0	0	0	0	0	0	0	0
MUSCLE, SKELETAL (SM)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	14	21	22	17	10	13	13	15	19	12
ATROPHY-FOCAL		0	1	0	0	0	0	0	0	0	0
NERVE, SCIATIC (SN)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	14	22	22	17	10	13	13	15	19	12
LN, MESENTERIC (MS)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	13	21	20	15	10	11	13	12	18	11
LARGE		1	1	0	1	0	1	0	2	0	0
MOTTLED		0	0	1	1	0	0	0	0	0	0
DIFFUSELY RED		1	1	1	0	0	0	0	1	1	0
DIFFUSELY DARK		0	0	0	0	0	1	0	0	0	0
RED FOCUS(I)/AREA(S)		0	0	0	0	0	0	0	1	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL
DEATH=T,U;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
SEX:		----------MALE----------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
NUMBER:		14	22	22	17	10	13	13	15	19	12
** FROM PREVIOUS PAGE **											
LN, MESENTERIC (MS)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	13	21	20	15	10	11	13	12	18	11
GELATINOUS		0	0	0	0	0	0	0	0	0	1
SPLEEN (SP)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	13	21	22	17	10	13	13	15	19	12
LARGE		1	1	0	0	0	0	0	0	0	0
THYMUS (TH)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	14	22	22	17	10	13	13	15	18	12
CYST(S)		0	0	0	0	0	0	0	0	1	0
ESOPHAGUS (ES)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	14	22	22	17	10	13	13	15	19	12
THYROID (TY)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	14	22	19	15	9	12	12	13	19	12
LARGE		0	0	3	2	1	1	1	2	0	0
DIFFUSELY DARK		0	0	0	0	0	1	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL
DEATH=T,U;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- NUMBER-OF-ANIMALS-AFFECTED ---									
SEX:		----------MALE----------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
NUMBER:		14	22	22	17	10	13	13	15	19	12
PARATHYROID (PT)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	13	21	22	16	10	13	13	15	19	12
LARGE		1	1	0	1	0	0	0	0	0	0
TRACHEA (TR)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	14	22	22	17	10	13	13	15	19	12
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	12	20	19	16	9	7	9	11	17	10
MASS(ES)		0	0	1	0	0	1	2	0	1	1
DARK FOCUS(I)/AREA(S)		1	1	0	0	0	0	0	0	0	0
LARGE		1	1	2	0	0	3	1	4	1	0
CYST(S)		0	0	0	0	0	0	1	0	0	0
DIFFUSELY DARK		0	0	0	1	0	2	0	0	0	0
SMALL		0	0	0	0	0	0	0	0	0	1
RED FOCUS(I)/AREA(S)		0	0	0	0	0	0	0	0	0	1
RAISED AREA(S)		0	0	0	0	1	0	0	0	0	0
ADRENAL, MEDULLA (MA)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	14	22	22	17	10	13	13	15	19	12

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL
DEATH=T,U;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- NUMBER OF ANIMALS AFFECTED ---									
SEX:		----------MALE----------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
NUMBER:		14	22	22	17	10	13	13	15	19	12
PITUITARY (PI)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	8	17	12	8	4	5	2	1	4	2
MASS(ES)		2	3	3	3	4	6	6	7	8	6
DARK FOCUS(I)/AREA(S)		3	0	1	2	1	1	2	1	0	1
RED FOCUS(I)/AREA(S)		0	1	1	0	1	0	2	3	2	2
LARGE		0	2	1	1	0	1	1	5	6	2
RAISED AREA(S)		0	0	2	1	0	0	1	0	0	0
LIGHT FOCUS(I)/AREA(S)		1	0	1	2	0	0	0	0	0	0
CYST(S)		0	0	1	0	0	0	0	0	0	0
HARDERIAN GLAND (HG)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	14	22	22	17	10	13	13	15	19	12
SALIV GL, MANDIB (SG)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	14	22	22	17	10	13	13	15	19	12
PANCREAS (PA)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	11	21	21	17	9	13	12	15	19	12
LARGE VESSELS		3	0	0	0	1	0	0	0	0	0
MASS(ES)		0	1	1	0	0	0	1	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL
DEATH=T,U;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- NUMBER-OF-ANIMALS-AFFECTED ---									
SEX:		----------MALE----------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
NUMBER:		14	22	22	17	10	13	13	15	19	12
STOMACH, GL (ST)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	13	19	21	12	9	11	13	15	16	7
DARK FOCUS(I)/AREA(S)		0	0	0	2	1	1	0	0	0	0
RED FOCUS(I)/AREA(S)		0	0	0	1	0	1	0	0	1	1
THICKENED WALL		1	3	0	1	0	0	0	0	0	1
EROSION/ULCERATION		0	0	1	2	0	0	0	0	1	2
LIGHT FOCUS(I)/AREA(S)		0	0	0	0	0	0	0	0	1	1
STOMACH, NONGL (SU)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	14	21	21	17	10	12	13	15	19	12
EROSION/ULCERATION		0	0	1	0	0	1	0	0	0	0
THICKENED WALL		0	1	1	0	0	1	0	0	0	0
DUODENUM (DU)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	14	22	22	17	10	13	13	15	19	12
JEJUNUM (JE)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	14	22	22	17	10	13	12	15	19	12
LARGE LYMPHOID AREA(S)		0	0	0	0	0	0	1	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL
DEATH=T,U;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
SEX:		----------MALE----------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
NUMBER:		14	22	22	17	10	13	13	15	19	12
ILEUM (IL)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	14	22	22	17	10	13	12	15	19	12
LARGE LYMPHOID AREA(S)		0	0	0	0	0	0	1	0	0	0
CECUM (CE)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	14	22	21	17	10	13	13	15	19	12
THICKENED WALL		0	0	1	0	0	0	0	0	0	0
COLON (CO)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	14	22	22	17	10	13	13	15	19	12
RECTUM (RE)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	14	22	22	17	10	13	13	15	19	12
SKIN (SK)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	12	16	17	15	8	12	12	15	18	12
MASS(ES)		0	2	2	1	1	0	1	0	1	0
CRUSTED AREA(S)		0	2	3	0	1	1	0	0	0	0
RAISED AREA(S)		2	1	0	1	0	0	0	0	0	0
ABRASION(S)/ULCERATION(S)		0	1	1	0	0	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL
DEATH=T,U;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- NUMBER-OF-ANIMALS-AFFECTED ---									
SEX:		----------MALE----------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
NUMBER:		14	22	22	17	10	13	13	15	19	12
URINARY BLADDER (UB)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	14	22	21	17	10	13	13	15	19	12
CALCULUS(I)		0	0	1	0	0	0	0	0	0	0
PROSTATE (PR)	NUMBER EXAMINED:	14	22	22	17	10	0	0	0	0	0
	NOT REMARKABLE:	11	19	17	16	9	0	0	0	0	0
NODULAR		3	3	5	1	1	0	0	0	0	0
SEMINAL VESICLES (SV)	NUMBER EXAMINED:	14	22	22	17	10	0	0	0	0	0
	NOT REMARKABLE:	12	22	22	17	10	0	0	0	0	0
SMALL		1	0	0	0	0	0	0	0	0	0
LARGE		1	0	0	0	0	0	0	0	0	0
EPIDIDYMIDES (EP)	NUMBER EXAMINED:	14	22	22	17	10	0	0	0	0	0
	NOT REMARKABLE:	13	22	22	17	10	0	0	0	0	0
SMALL		1	0	0	0	0	0	0	0	0	0
TESTIS (TE)	NUMBER EXAMINED:	14	22	22	17	10	0	0	0	0	0
	NOT REMARKABLE:	12	21	19	12	10	0	0	0	0	0
SMALL		2	1	2	4	0	0	0	0	0	0
LARGE		0	0	1	0	0	0	0	0	0	0
RED/YELLOW FOCUS(I)/AREA(S)		0	0	1	0	0	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL
DEATH=T,U;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- NUMBER-OF-ANIMALS-AFFECTED ---									
SEX:		----------MALE----------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
NUMBER:		14	22	22	17	10	13	13	15	19	12
** FROM PREVIOUS PAGE **											
TESTIS (TE)	NUMBER EXAMINED:	14	22	22	17	10	0	0	0	0	0
	NOT REMARKABLE:	12	21	19	12	10	0	0	0	0	0
RED FOCUS(I)/AREA(S)		0	0	0	1	0	0	0	0	0	0
MAMMARY, FEMALE (MF)	NUMBER EXAMINED:	0	0	0	0	0	13	13	15	19	12
	NOT REMARKABLE:	0	0	0	0	0	3	3	4	11	8
MASS(ES)		0	0	0	0	0	8	8	9	8	3
CYST(S)		0	0	0	0	0	3	0	0	0	3
MASS #2		0	0	0	0	0	2	4	6	4	2
THICKENED		0	0	0	0	0	5	4	6	4	2
MASS #3		0	0	0	0	0	2	2	1	2	0
MASS #4		0	0	0	0	0	0	1	1	0	0
MASS #5		0	0	0	0	0	0	0	1	0	0
CERVIX (CV)	NUMBER EXAMINED:	0	0	0	0	0	13	13	15	19	12
	NOT REMARKABLE:	0	0	0	0	0	11	11	14	16	10
MASS(ES)		0	0	0	0	0	0	1	1	1	2
LARGE		0	0	0	0	0	2	1	0	1	0
LIGHT FOCUS(I)/AREA(S)		0	0	0	0	0	0	0	0	1	0
UTERUS (UT)	NUMBER EXAMINED:	0	0	0	0	0	13	13	15	19	12
	NOT REMARKABLE:	0	0	0	0	0	6	9	10	11	8
LUMEN FILLED WITH FLUID		0	0	0	0	0	1	0	0	2	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL
DEATH=T,U;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
SEX:		----------MALE----------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
NUMBER:		14	22	22	17	10	13	13	15	19	12
** FROM PREVIOUS PAGE **											
UTERUS (UT)	NUMBER EXAMINED:	0	0	0	0	0	13	13	15	19	12
	NOT REMARKABLE:	0	0	0	0	0	6	9	10	11	8
CYST(S)		0	0	0	0	0	4	3	4	3	4
THICKENED WALL		0	0	0	0	0	0	0	0	2	0
LARGE, DIFFUSE		0	0	0	0	0	2	0	0	0	0
MASS(ES)		0	0	0	0	0	1	2	1	2	0
LARGE, FOCAL		0	0	0	0	0	0	0	0	1	0
RED FOCUS(I)/AREA(S)		0	0	0	0	0	0	0	1	0	0
SEMISOLID MATERIAL		0	0	0	0	0	0	0	1	0	0
OVARY (OV)	NUMBER EXAMINED:	0	0	0	0	0	13	13	15	19	12
	NOT REMARKABLE:	0	0	0	0	0	10	8	11	11	8
CYST(S)		0	0	0	0	0	3	5	4	8	4
VAGINA (VA)	NUMBER EXAMINED:	0	0	0	0	0	13	13	15	19	12
	NOT REMARKABLE:	0	0	0	0	0	12	13	14	19	11
MASS(ES)		0	0	0	0	0	0	0	0	0	1
SEMIFLUID MATERIAL		0	0	0	0	0	1	0	1	0	0
LN, MEDIASTINAL (ML)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	13	21	21	17	10	13	12	15	18	12
LARGE		0	0	1	0	0	0	1	0	1	0
DIFFUSELY RED		1	0	0	0	0	0	1	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL
DEATH=T,U;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
SEX:		----------MALE----------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
NUMBER:		14	22	22	17	10	13	13	15	19	12
** FROM PREVIOUS PAGE **											
LN, MEDIASTINAL (ML)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	13	21	21	17	10	13	12	15	18	12
CYST(S)		0	1	0	0	0	0	0	0	0	0
LN, MANDIBULAR (MN)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	11	16	19	16	8	11	11	11	17	7
DIFFUSELY RED		1	5	0	0	1	1	1	3	1	3
LARGE		1	1	0	0	2	0	0	0	0	0
MOTTLED		1	0	3	1	0	1	1	1	1	2
CAVITY, ORAL (OC)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	14	22	22	17	10	13	13	15	19	12
LN, ANT MES/PANC (AP)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	14	20	21	17	10	13	12	15	19	12
LARGE		0	1	0	0	0	0	0	0	0	0
DIFFUSELY RED		0	2	1	0	0	0	1	0	0	0
CAVITY, ABDOM (PC)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	14	22	22	17	10	13	13	14	19	11
MASS(ES)		0	0	0	0	0	0	0	1	0	1

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL
DEATH=T,U;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- NUMBER-OF-ANIMALS-AFFECTED ---									
SEX:		----------MALE----------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
NUMBER:		14	22	22	17	10	13	13	15	19	12
CALVARIUM/SKULL (CA)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	14	22	22	17	10	13	13	15	19	12
MAMMARY, MALE (MM)	NUMBER EXAMINED:	14	22	22	17	10	0	0	0	0	0
	NOT REMARKABLE:	12	21	22	14	9	0	0	0	0	0
MASS(ES)		2	1	0	3	0	0	0	0	0	0
CYST(S)		0	0	0	0	1	0	0	0	0	0
LN, LUMBAR/ILIAC (LM)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	12	18	19	17	10	12	13	15	19	12
LARGE		2	3	3	0	0	0	0	0	0	0
MOTTLED		0	0	0	0	0	1	0	0	0	0
DIFFUSELY RED		0	0	1	0	0	0	0	0	0	0
CYSTS		0	1	0	0	0	0	0	0	0	0
ANUS (AN)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	14	22	22	17	10	13	13	15	19	12
LN, RENAL (RL)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	14	22	21	17	10	12	12	15	18	11
LARGE		0	0	0	0	0	1	1	0	0	0
DIFFUSELY RED		0	0	1	0	0	1	1	0	1	1

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL
DEATH=T,U;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
SEX:		----------MALE----------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
NUMBER:		14	22	22	17	10	13	13	15	19	12
** FROM PREVIOUS PAGE **											
LN, RENAL (RL)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	14	22	21	17	10	12	12	15	18	11
SMALL		0	0	0	0	0	1	0	0	0	0
TAIL (TI)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	14	21	22	16	10	13	13	15	19	11
CRUSTED AREA(S)		0	1	0	0	0	0	0	0	0	1
LARGE		0	0	0	1	0	0	0	0	0	0
PENIS (PE)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	14	22	22	17	10	13	13	15	19	12
LN, INGUINAL (IN)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	14	22	22	17	10	13	13	15	18	12
DIFFUSELY DARK		0	0	0	0	0	0	0	0	1	0
CAVITY, THORACIC (TA)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	14	22	22	17	10	13	13	15	19	12

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL
DEATH=T,U;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
SEX:		----------MALE----------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
NUMBER:		14	22	22	17	10	13	13	15	19	12
FOOT/FOOTPAD(S) (FP)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	11	17	16	15	6	10	13	15	18	10
CRUSTED AREA(S)		0	4	2	2	2	3	0	0	1	2
ABRASION(S)/ULCERATION(S)		3	1	4	0	2	0	0	0	0	0
LN, AXILLARY (AX)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	14	20	22	17	10	11	12	14	15	11
LARGE		0	2	0	0	0	1	1	0	2	0
MOTTLED		0	1	0	0	0	1	0	1	2	1
DIFFUSELY RED		0	0	0	0	0	0	0	0	1	0
LN, TRACHEOBRON (TB)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	14	22	22	17	10	13	13	15	19	12
ADIPOSE TISSUE (AT)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	14	21	22	17	10	12	13	15	19	12
MASS(ES)		0	1	0	0	0	1	0	0	0	0
JOINT, OTHER (JT)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	14	21	21	17	10	12	13	14	19	12
LARGE		0	1	1	0	0	1	0	1	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL
DEATH=T,U;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
SEX:		----------MALE----------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
NUMBER:		14	22	22	17	10	13	13	15	19	12
AORTA (AO)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	13	22	22	17	10	13	13	15	19	12
LARGE		1	0	0	0	0	0	0	0	0	0
LN, POPLITEAL (PP)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	13	20	22	17	10	13	13	14	19	12
LARGE		1	2	0	0	0	0	0	1	0	0
SUBCUTANEOUS TIS (SQ)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	14	22	22	17	10	13	13	15	19	12
TONGUE (TO)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	14	22	22	17	10	13	13	15	19	12
URETER (UE)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	14	22	22	17	10	13	13	15	19	12
AORTIC ARCH (AA)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	14	22	22	17	10	13	13	15	19	12

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL
DEATH=T,U;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- NUMBER-OF-ANIMALS-AFFECTED ---									
SEX:		----------MALE----------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
NUMBER:		14	22	22	17	10	13	13	15	19	12
TESTIS/EPIDIDYM (TP)	NUMBER EXAMINED:	14	22	22	17	10	0	0	0	0	0
	NOT REMARKABLE:	14	22	22	17	10	0	0	0	0	0
PINNA (PN)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	14	22	22	17	10	13	13	15	18	12
RED FOCUS(I)/AREA(S)		0	0	0	0	0	0	0	0	1	0
THYROID/PARATHYR (TT)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	14	22	22	17	10	13	13	15	18	12
MISSING/NOT IDENTIFIED		0	0	0	0	0	0	0	0	1	0
DIAPHRAGM (DP)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	13	22	22	17	10	13	13	15	19	12
MASS(ES)		1	0	0	0	0	0	0	0	0	0
BILE DUCT (BD)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	14	21	22	17	10	13	13	15	19	12
LARGE		0	1	0	0	0	0	0	0	0	0

Incidence of Macroscopic Observations

Terminal and Recovery Sacrifices

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL
DEATH=T,U;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
	SEX:	----------MALE---------					---------FEMALE--------				
	GROUP:	-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
	NUMBER:	14	22	22	17	10	13	13	15	19	12
AUDITORY SEB GL (AS)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	14	22	22	17	9	13	13	15	19	12
MASS(ES)		0	0	0	0	1	0	0	0	0	0
ADRENAL (AD)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	19	12
	NOT REMARKABLE:	14	22	22	17	10	13	13	15	19	12

** END OF LIST

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
	SEX:	----------MALE----------						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	36	28	28	33	3	30	1
** TOP OF LIST **								
GENERAL COMMENT (GC)	NUMBER EXAMINED:	36	28	28	33	3	30	1
NO MACROSCOPIC LESIONS		0	0	1	0	0	0	0
DISCHARGE-ORAL		2	2	1	3	2	1	1
STAINS-PERINEUM/PERIANAL		10	4	8	10	1	7	1
BLOOD FILM TAKEN		24	16	23	25	1	18	0
DISCHARGE-OCULAR		13	6	7	10	1	6	0
DISCHARGE-NASAL		4	2	5	10	2	5	0
MALOCCLUSION		2	2	4	7	2	3	0
STAINS - SKIN/HAIRCOAT		6	2	8	8	0	7	0
ANIMAL THIN		10	6	7	9	0	8	0
GI TRACT-DARK FLUID CONTENT		0	0	0	0	1	0	0
GI TRACT-LARGE LUMEN		1	1	1	1	0	2	0
GI TRACT-DARK DRY CONTENT		0	0	0	0	0	1	0
FLUID-THORACIC CAVITY		1	0	1	1	0	1	0
TEETH MISSING/BROKEN/WORN		0	1	0	3	0	1	0
AUTOLYSIS-SEVERE		0	0	1	1	0	0	0
ANIMAL OBESE		5	5	0	5	0	4	0
URINARY BLADDER-LARGE LUMEN		3	0	0	2	0	2	0
YELLOWISH MUCOUS MEMBRANES		0	0	0	1	0	0	0
TAIL - BENT/MISSING		0	0	0	1	0	0	0
BONE, FEMUR (FE)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	36	28	28	33	3	30	1

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
	SEX:	----------MALE----------						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
	NUMBER:	36	28	28	33	3	30	1
MARROW, FEMUR (FM)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	36	28	28	33	3	30	1
MARROW, STERNUM (SE)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	36	28	28	33	3	30	1
BONE, STERNUM (SB)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	36	28	28	33	3	30	1
EYE (EY)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	33	25	27	32	3	30	1
OPAQUE CORNEA		2	2	1	1	0	0	0
WHITE INTRAOCULAR MATERIAL		1	0	0	0	0	0	0
COLLAPSED GLOBE-ANTE MORTEM		0	1	1	0	0	0	0
BRAIN (BR)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	11	12	9	9	3	12	1
COMPRESSED (HYPOTHALAMUS)		25	16	19	24	0	18	0
SPINAL CORD (SC)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	36	28	28	33	3	30	1

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		----------MALE----------						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		36	28	28	33	3	30	1
LUNG (LU)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	30	23	27	30	1	23	1
DIFFUSELY RED		0	2	0	1	2	1	0
MOTTLED		0	0	1	1	0	1	0
UNCOLLAPSED		1	2	1	0	0	2	0
LIGHT FOCUS(I)/AREA(S)		2	0	0	1	0	2	0
ADHESION(S)		1	1	0	2	0	0	0
RED FOCUS(I)/AREA(S)		1	0	0	0	0	2	0
MASS(ES)		1	0	0	2	0	0	0
KIDNEY (KD)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	25	21	24	23	3	23	1
LARGE PELVIS(ES)		8	3	3	7	0	3	0
ROUGH SURFACE, DIFFUSE		4	0	0	5	0	2	0
MOTTLED		1	1	1	1	0	0	0
SEMIFLUID MATERIAL-PELVIS		0	0	1	1	0	0	0
EROSION(S)/ULCERATION(S)		0	0	0	0	0	1	0
DIFFUSELY LIGHT		3	0	0	2	0	1	0
CYST(S)		2	0	0	0	0	0	0
DIFFUSELY DARK		0	0	0	0	0	1	0
CALCULUS(I)		1	2	1	0	0	1	0
GRANULAR MATERIAL		1	0	0	2	0	0	0
LARGE		1	3	0	0	0	1	0
ADHESION(S)		1	0	0	0	0	0	0
MASS(ES)		0	1	0	1	0	0	0

** CONTINUED ON NEXT PAGE **

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
TABLE INCLUDES:								
SEX=ALL;GROUP=ALL;WEEKS=ALL	SEX:	----------MALE----------						
DEATH=D,M;SUBSET=ALL								
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	36	28	28	33	3	30	1
** FROM PREVIOUS PAGE **								
KIDNEY (KD)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	25	21	24	23	3	23	1
DEPRESSED FOCUS(I)/AREA(S)		1	0	0	0	0	0	0
LIVER (LI)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	27	20	18	20	1	23	1
LIGHT FOCUS(I)/AREA(S)		0	2	1	3	0	3	0
LARGE		1	3	1	1	2	1	0
MOTTLED		4	1	5	1	2	0	0
DIFFUSELY DARK		0	0	0	4	0	1	0
DIFFUSELY LIGHT		1	1	0	1	0	1	0
MASS(ES)		1	1	1	0	0	0	0
RED FOCUS(I)/AREA(S)		3	2	3	4	0	2	0
ROUGH SURFACE, DIFFUSE		0	0	0	0	0	1	0
DARK FOCUS(I)/AREA(S)		0	0	1	0	0	0	0
CYST(S)		0	0	0	1	0	0	0
HEART (HT)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	36	28	28	32	3	30	1
LARGE		0	0	0	1	0	0	0
MOTTLED		0	0	0	1	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		----------MALE----------						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		36	28	28	33	3	30	1
MUSCLE, SKELETAL (SM)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	35	28	27	33	3	29	1
MASS(ES)		1	0	0	0	0	1	0
DIFFUSELY RED		0	0	1	0	0	0	0
NERVE, SCIATIC (SN)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	36	28	28	33	3	30	1
LN, MESENTERIC (MS)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	33	28	28	32	3	30	1
LARGE		1	0	0	0	0	0	0
MOTTLED		1	0	0	0	0	0	0
DIFFUSELY RED		0	0	0	1	0	0	0
DIFFUSELY DARK		1	0	0	0	0	0	0
SMALL		1	0	0	0	0	0	0
SPLEEN (SP)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	35	27	28	30	3	30	1
SMALL		0	0	0	1	0	0	0
LARGE		1	0	0	1	0	0	0
ROUGH SURFACE		0	1	0	0	0	0	0
CYST(S)		0	0	0	1	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
	SEX:	----------MALE----------						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	36	28	28	33	3	30	1
THYMUS (TH)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	34	27	28	30	2	29	1
RED FOCUS(I)/AREA(S)		0	1	0	0	1	1	0
MASS(ES)		1	0	0	1	0	0	0
DIFFUSELY RED		0	0	0	1	0	0	0
MISSING/NOT IDENTIFIED		1	0	0	1	0	0	0
ESOPHAGUS (ES)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	36	28	28	33	3	30	1
THYROID (TY)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	36	28	27	33	3	29	1
LARGE		0	0	0	0	0	1	0
RED FOCUS(I)/AREA(S)		0	0	1	0	0	0	0
PARATHYROID (PT)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	36	28	28	32	3	29	1
LARGE		0	0	0	1	0	1	0
TRACHEA (TR)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	36	28	28	33	3	30	1

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
	SEX:	----------MALE----------						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	36	28	28	33	3	30	1
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	33	27	25	31	3	30	1
MASS(ES)		2	0	0	0	0	0	0
LARGE		0	1	1	0	0	0	0
SMALL		0	0	2	1	0	0	0
MISSING/NOT IDENTIFIED		0	0	0	1	0	0	0
MOTTLED		1	0	0	0	0	0	0
ADRENAL, MEDULLA (MA)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	36	28	28	33	3	30	1
PITUITARY (PI)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	8	10	7	9	3	8	1
MASS(ES)		28	16	19	24	0	18	0
RED FOCUS(I)/AREA(S)		0	1	1	0	0	2	0
LARGE		0	1	0	0	0	2	0
DIFFUSELY RED		0	0	1	0	0	0	0
HARDERIAN GLAND (HG)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	36	28	28	33	3	30	1
SALIV GL, MANDIB (SG)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	36	28	28	33	3	30	1

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
	SEX:	----------MALE----------						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
	NUMBER:	36	28	28	33	3	30	1
PANCREAS (PA)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	36	28	28	31	3	29	1
MASS(ES)		0	0	0	2	0	1	0
STOMACH, GL (ST)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	25	26	24	24	2	24	0
DARK FOCUS(I)/AREA(S)		7	2	2	5	1	5	1
RED FOCUS(I)/AREA(S)		2	0	0	1	0	0	0
THICKENED WALL		3	0	0	3	0	0	0
EROSION/ULCERATION		2	0	1	1	0	1	0
MASS(ES)		0	0	1	0	0	0	0
STOMACH, NONGL (SU)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	30	24	26	26	3	25	1
LIGHT FOCUS(I)/AREA(S)		0	0	0	1	0	0	0
EROSION/ULCERATION		3	2	2	5	0	4	0
THICKENED WALL		3	2	0	2	0	3	0
DARK FOCUS(I)/AREA(S)		1	1	0	0	0	1	0
DUODENUM (DU)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	36	28	28	33	3	30	1

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- NUMBER-OF-ANIMALS-AFFECTED ---						
SEX:		----------MALE----------						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		36	28	28	33	3	30	1
JEJUNUM (JE)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	36	28	28	33	3	30	1
ILEUM (IL)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	36	28	28	33	3	30	1
CECUM (CE)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	35	28	28	33	3	30	1
RED FOCUS(I)/AREA(S)		1	0	0	0	0	0	0
COLON (CO)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	36	28	28	33	3	30	1
RECTUM (RE)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	36	28	28	33	3	30	1
SKIN (SK)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	35	25	27	32	3	27	1
MASS(ES)		0	2	0	1	0	2	0
CRUSTED AREA(S)		0	1	1	0	0	1	0
RAISED AREA(S)		1	0	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
TABLE INCLUDES:								
SEX=ALL;GROUP=ALL;WEEKS=ALL	SEX:	----------MALE----------						
DEATH=D,M;SUBSET=ALL								
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	36	28	28	33	3	30	1
URINARY BLADDER (UB)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	34	27	28	29	3	28	1
THICKENED WALL		1	1	0	2	0	0	0
CALCULUS(I)		2	0	0	2	0	1	0
SEMIFLUID MATERIAL		0	0	0	2	0	0	0
RED FOCUS(I)/AREA(S)		0	0	0	1	0	0	0
DIFFUSELY RED		0	0	0	1	0	2	0
PROSTATE (PR)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	30	26	22	24	3	24	1
LARGE		0	0	0	2	0	0	0
NODULAR		6	2	6	4	0	4	0
DIFFUSELY RED		0	0	0	1	0	0	0
SMALL		0	0	0	2	0	1	0
MOTTLED		0	0	0	0	0	1	0
GELATINOUS		0	0	0	1	0	0	0
MASS(ES)		0	0	0	1	0	0	0
SEMINAL VESICLES (SV)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	27	25	24	25	3	17	1
SMALL		5	2	3	4	0	9	0
GELATINOUS		1	1	0	1	0	2	0
LARGE		3	0	1	4	0	3	0
MOTTLED		1	0	1	0	0	1	0

** CONTINUED ON NEXT PAGE **

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		----------MALE----------						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		36	28	28	33	3	30	1
** FROM PREVIOUS PAGE **								
SEMINAL VESICLES (SV)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	27	25	24	25	3	17	1
DIFFUSELY RED		0	0	0	1	0	0	0
EPIDIDYMIDES (EP)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	35	28	28	33	3	29	1
SMALL		1	0	0	0	0	1	0
TESTIS (TE)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	32	26	25	29	3	24	1
SMALL		4	2	2	3	0	6	0
CONTAINS FLUID		0	0	1	0	0	0	0
DIFFUSELY RED		0	0	0	1	0	0	0
LARGE		1	0	0	0	0	0	0
RED/YELLOW FOCUS(I)/AREA(S)		1	0	0	0	0	0	0
MAMMARY, FEMALE (MF)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
CERVIX (CV)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		----------MALE----------						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		36	28	28	33	3	30	1
UTERUS (UT)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
OVARY (OV)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
VAGINA (VA)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
LN, MEDIASTINAL (ML)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	35	28	27	32	3	30	1
LARGE		1	0	0	1	0	0	0
DIFFUSELY RED		1	0	1	1	0	0	0
LN, MANDIBULAR (MN)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	33	27	28	31	3	28	1
DIFFUSELY RED		2	0	0	2	0	1	0
LARGE		1	1	0	0	0	1	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
TABLE INCLUDES:								
SEX=ALL;GROUP=ALL;WEEKS=ALL	SEX:	----------MALE----------						
DEATH=D,M;SUBSET=ALL								
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	36	28	28	33	3	30	1
CAVITY, ORAL (OC)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	36	27	28	33	3	30	1
FRACTURE(S)		0	1	0	0	0	0	0
LN, ANT MES/PANC (AP)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	35	27	28	32	3	30	1
LARGE		1	1	0	0	0	0	0
MOTTLED		1	0	0	0	0	0	0
DIFFUSELY RED		0	0	0	1	0	0	0
CAVITY, ABDOM (PC)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	36	28	27	33	3	29	1
MASS(ES)		0	0	1	0	0	1	0
CALVARIUM/SKULL (CA)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	36	28	28	33	3	30	1
MAMMARY, MALE (MM)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	28	24	26	30	3	28	1
MASS(ES)		2	2	0	2	0	1	0
CYST(S)		5	2	1	0	0	1	0
THICKENED		1	0	1	1	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
	SEX:	----------MALE----------						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
	NUMBER:	36	28	28	33	3	30	1
LN, LUMBAR/ILIAC (LM)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	33	23	27	29	3	30	1
LARGE		3	4	1	4	0	0	0
MOTTLED		2	1	0	0	0	0	0
DIFFUSELY RED		0	1	0	0	0	0	0
ANUS (AN)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	36	28	28	33	3	29	1
MASS(ES)		0	0	0	0	0	1	0
LN, RENAL (RL)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	32	28	28	32	3	29	1
LARGE		4	0	0	0	0	1	0
MOTTLED		1	0	0	0	0	0	0
CYST(S)		0	0	0	1	0	0	0
TAIL (TI)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	34	25	27	32	3	27	1
RAISED AREA(S)		1	1	0	0	0	1	0
CRUSTED AREA(S)		1	1	1	1	0	1	0
ABRASION/ULCERATIONS		0	1	0	0	0	0	0
DIFFUSELY DARK		0	0	0	0	0	1	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		----------MALE----------						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		36	28	28	33	3	30	1
PENIS (PE)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	35	27	28	33	3	30	1
PROTRUDING		1	1	0	0	0	0	0
LN, INGUINAL (IN)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	36	28	28	33	3	30	1
CAVITY, THORACIC (TA)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	36	28	28	33	3	30	1
FOOT/FOOTPAD(S) (FP)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	27	26	22	28	3	24	1
CRUSTED AREA(S)		5	2	3	2	0	5	0
ABRASION(S)/ULCERATION(S)		4	0	3	3	0	2	0
LN, AXILLARY (AX)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	36	28	28	33	3	30	1
LN, TRACHEOBRON (TB)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	36	28	28	31	3	30	1
DIFFUSELY RED		0	0	0	2	0	0	0

** CONTINUED ON NEXT PAGE **

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		----------MALE----------						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		36	28	28	33	3	30	1
** FROM PREVIOUS PAGE **								
LN, TRACHEOBRON (TB)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	36	28	28	31	3	30	1
LARGE		0	0	0	1	0	0	0
ADIPOSE TISSUE (AT)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	36	28	28	32	3	30	1
THICKENED		0	0	0	1	0	0	0
JOINT, OTHER (JT)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	35	28	28	32	3	30	1
LARGE		1	0	0	1	0	0	0
AORTA (AO)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	34	28	28	33	3	30	1
LARGE		2	0	0	0	0	0	0
THICKENED WALL		1	0	0	0	0	0	0
LN, POPLITEAL (PP)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	36	28	27	33	3	30	1
LARGE		0	0	1	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D --- SEX: MALE						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
	NUMBER:	36	28	28	33	3	30	1
SUBCUTANEOUS TIS (SQ)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	36	28	28	33	3	30	1
TONGUE (TO)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	36	28	28	33	3	30	1
URETER (UE)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	36	28	28	33	3	28	1
LARGE		0	0	0	0	0	2	0
AORTIC ARCH (AA)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	35	28	28	33	3	30	1
LARGE		1	0	0	0	0	0	0
TESTIS/EPIDIDYM (TP)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	36	28	28	33	3	30	1
PINNA (PN)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	36	28	28	33	3	29	1
CRUSTED AREA(S)		0	0	0	0	0	1	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		----------MALE----------						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		36	28	28	33	3	30	1
THYROID/PARATHYR (TT)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	36	28	28	33	3	30	1
DIAPHRAGM (DP)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	36	28	28	33	3	30	1
BILE DUCT (BD)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	36	28	28	33	3	30	1
AUDITORY SEB GL (AS)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	36	28	28	33	3	30	1
ADRENAL (AD)	NUMBER EXAMINED:	36	28	28	33	3	30	1
	NOT REMARKABLE:	36	28	28	33	3	30	1

** END OF LIST **

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
	SEX:	----------FEMALE----------						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	37	37	35	30	0	28	0
** TOP OF LIST **								
GENERAL COMMENT (GC)	NUMBER EXAMINED:	37	37	35	30	0	28	0
DISCHARGE-ORAL		0	1	1	2	0	1	0
STAINS-PERINEUM/PERIANAL		7	7	14	12	0	5	0
BLOOD FILM TAKEN		31	31	29	24	0	22	0
DISCHARGE-OCULAR		18	19	19	12	0	11	0
DISCHARGE-NASAL		3	5	5	11	0	3	0
MALOCCLUSION		2	8	5	6	0	5	0
STAINS - SKIN/HAIRCOAT		3	4	2	9	0	5	0
ANIMAL THIN		11	10	18	12	0	9	0
GI TRACT-DARK FLUID CONTENT		0	1	0	0	0	0	0
GI TRACT-LARGE LUMEN		0	0	0	0	0	1	0
GI TRACT-DARK DRY CONTENT		0	0	1	0	0	1	0
FLUID-THORACIC CAVITY		0	0	1	0	0	2	0
TEETH MISSING/BROKEN/WORN		1	1	0	1	0	1	0
AUTOLYSIS-SEVERE		0	0	1	0	0	0	0
ANIMAL OBESE		1	1	1	0	0	1	0
TAIL - BENT/MISSING		0	0	0	0	0	1	0
BONE, FEMUR (FE)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	37	37	35	30	0	28	0
MARROW, FEMUR (FM)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	37	37	35	30	0	28	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		----------FEMALE----------						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		37	37	35	30	0	28	0
MARROW, STERNUM (SE)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	37	37	35	30	0	28	0
BONE, STERNUM (SB)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	37	37	35	30	0	28	0
EYE (EY)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	37	37	34	30	0	26	0
OPAQUE CORNEA		0	0	1	0	0	1	0
WHITE INTRAOCULAR MATERIAL		0	0	0	0	0	1	0
BRAIN (BR)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	5	5	6	8	0	10	0
COMPRESSED (HYPOTHALAMUS)		32	32	29	22	0	18	0
SPINAL CORD (SC)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	37	37	35	30	0	28	0
LUNG (LU)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	36	35	34	26	0	24	0
DIFFUSELY RED		1	1	1	0	0	0	0

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
TABLE INCLUDES:								
SEX=ALL;GROUP=ALL;WEEKS=ALL	SEX:	----------FEMALE----------						
DEATH=D,M;SUBSET=ALL								
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	37	37	35	30	0	28	0
** FROM PREVIOUS PAGE **								
LUNG (LU)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	36	35	34	26	0	24	0
UNCOLLAPSED		0	1	1	1	0	0	0
LIGHT FOCUS(I)/AREA(S)		0	0	0	3	0	2	0
RED FOCUS(I)/AREA(S)		0	0	0	0	0	1	0
MASS(ES)		0	0	0	0	0	1	0
KIDNEY (KD)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	30	35	31	25	0	25	0
LARGE PELVIS(ES)		4	1	3	0	0	1	0
ROUGH SURFACE, DIFFUSE		0	0	0	0	0	1	0
MOTTLED		1	1	0	1	0	0	0
DIFFUSELY LIGHT		0	0	0	0	0	1	0
CYST(S)		1	0	0	2	0	0	0
DIFFUSELY DARK		0	0	0	2	0	0	0
CALCULUS(I)		1	0	0	0	0	0	0
GRANULAR MATERIAL		3	0	1	0	0	1	0
LIGHT FOCUS(I)/AREA(S)		0	0	0	0	0	1	0
LIVER (LI)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	28	27	32	17	0	19	0
LIGHT FOCUS(I)/AREA(S)		0	1	1	3	0	2	0
LARGE		1	1	0	2	0	0	0
MOTTLED		1	2	0	5	0	3	0

** CONTINUED ON NEXT PAGE **

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
TABLE INCLUDES:								
SEX=ALL;GROUP=ALL;WEEKS=ALL	SEX:	----------FEMALE----------						
DEATH=D,M;SUBSET=ALL								
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	37	37	35	30	0	28	0
** FROM PREVIOUS PAGE **								
LIVER (LI)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	28	27	32	17	0	19	0
DIFFUSELY DARK		0	0	0	3	0	1	0
DEPRESSED FOCUS(I)/AREA(S)		0	1	0	0	0	0	0
DIFFUSELY LIGHT		4	1	0	1	0	2	0
RED FOCUS(I)/AREA(S)		4	5	1	1	0	2	0
DARK FOCUS(I)/AREA(S)		0	0	0	1	0	1	0
RAISED FOCUS(I)/AREA(S)		0	0	1	0	0	0	0
CYST(S)		0	0	0	1	0	0	0
HEART (HT)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	37	37	35	29	0	28	0
DIFFUSELY LIGHT		0	0	0	1	0	0	0
MUSCLE, SKELETAL (SM)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	37	37	35	30	0	28	0
NERVE, SCIATIC (SN)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	37	37	35	30	0	28	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
	SEX:	----------FEMALE----------						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	37	37	35	30	0	28	0
LN, MESENTERIC (MS)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	35	36	32	29	0	28	0
LARGE		0	1	0	0	0	0	0
MOTTLED		1	0	1	1	0	0	0
DIFFUSELY RED		1	0	1	0	0	0	0
DIFFUSELY DARK		0	0	1	0	0	0	0
SPLEEN (SP)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	36	37	34	27	0	26	0
SMALL		1	0	0	0	0	1	0
LARGE		0	0	1	2	0	1	0
LIGHT FOCUS(I)/AREA(S)		0	0	0	1	0	0	0
THYMUS (TH)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	36	36	35	30	0	28	0
MOTTLED		1	0	0	0	0	0	0
MISSING/NOT IDENTIFIED		0	1	0	0	0	0	0
LARGE		1	0	0	0	0	0	0
ESOPHAGUS (ES)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	37	37	35	30	0	28	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
	SEX:	----------FEMALE----------						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	37	37	35	30	0	28	0
THYROID (TY)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	36	36	35	29	0	28	0
DIFFUSELY RED		0	1	0	0	0	0	0
MASS(ES)		1	0	0	0	0	0	0
LARGE		0	0	0	1	0	0	0
PARATHYROID (PT)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	37	37	35	29	0	28	0
LARGE		0	0	0	1	0	0	0
TRACHEA (TR)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	37	37	35	30	0	28	0
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	30	27	27	27	0	24	0
DIFFUSELY RED		1	2	1	0	0	0	0
DARK FOCUS(I)/AREA(S)		0	0	1	0	0	1	0
LARGE		5	7	4	1	0	3	0
CYST(S)		0	0	1	0	0	0	0
LIGHT FOCUS(I)/AREA(S)		0	1	1	2	0	0	0
DIFFUSELY DARK		1	0	0	1	0	0	0
SMALL		0	1	1	0	0	0	0
RED FOCUS(I)/AREA(S)		2	1	0	0	0	0	0

** CONTINUED ON NEXT PAGE **

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
TABLE INCLUDES:								
SEX=ALL;GROUP=ALL;WEEKS=ALL	SEX:	----------FEMALE----------						
DEATH=D,M;SUBSET=ALL								
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	37	37	35	30	0	28	0
** FROM PREVIOUS PAGE **								
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	30	27	27	27	0	24	0
DIFFUSELY LIGHT		0	0	1	0	0	0	0
ADRENAL, MEDULLA (MA)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	37	37	35	30	0	28	0
PITUITARY (PI)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	4	4	1	6	0	5	0
MASS(ES)		32	30	29	22	0	18	0
DARK FOCUS(I)/AREA(S)		1	0	3	2	0	1	0
RED FOCUS(I)/AREA(S)		0	1	1	0	0	2	0
LARGE		1	4	3	0	0	3	0
HARDERIAN GLAND (HG)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	37	37	35	30	0	28	0
SALIV GL, MANDIB (SG)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	37	37	35	30	0	28	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		FEMALE						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		37	37	35	30	0	28	0
PANCREAS (PA)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	37	36	35	30	0	28	0
LARGE VESSELS		0	1	0	0	0	0	0
STOMACH, GL (ST)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	34	32	32	24	0	27	0
DARK FOCUS(I)/AREA(S)		1	2	2	5	0	1	0
RED FOCUS(I)/AREA(S)		0	2	0	0	0	0	0
THICKENED WALL		0	2	0	0	0	0	0
EROSION/ULCERATION		1	0	1	1	0	0	0
LIGHT FOCUS(I)/AREA(S)		1	0	0	0	0	0	0
STOMACH, NONGL (SU)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	31	32	34	26	0	23	0
LIGHT FOCUS(I)/AREA(S)		3	0	0	0	0	0	0
EROSION/ULCERATION		1	3	1	3	0	4	0
THICKENED WALL		0	2	0	1	0	2	0
DARK FOCUS(I)/AREA(S)		1	1	0	1	0	1	0
RAISED AREA(S)		1	0	0	0	0	0	0
DUODENUM (DU)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	37	37	35	30	0	28	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
TABLE INCLUDES:								
SEX=ALL;GROUP=ALL;WEEKS=ALL	SEX:	----------FEMALE----------						
DEATH=D,M;SUBSET=ALL								
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	37	37	35	30	0	28	0
		-=-	-=-	-=-	-=-	-=-	-=-	-=-
JEJUNUM (JE)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	36	35	35	30	0	27	0
MASS(ES)		0	0	0	0	0	1	0
DIVERTICULUM(A)		1	2	0	0	0	0	0
ILEUM (IL)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	37	37	35	30	0	28	0
CECUM (CE)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	36	37	35	30	0	28	0
SMALL		1	0	0	0	0	0	0
COLON (CO)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	37	37	35	30	0	28	0
RECTUM (RE)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	37	37	35	30	0	28	0
SKIN (SK)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	37	35	34	29	0	26	0
ALOPECIA-FOCAL		0	0	0	1	0	0	0

** CONTINUED ON NEXT PAGE **

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		FEMALE						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		37	37	35	30	0	28	0
** FROM PREVIOUS PAGE **								
SKIN (SK)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	37	35	34	29	0	26	0
MASS(ES)		0	1	1	0	0	1	0
CRUSTED AREA(S)		0	1	0	0	0	1	0
ALOPECIA-DIFFUSE		0	0	0	0	0	1	0
URINARY BLADDER (UB)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	37	37	35	30	0	28	0
PROSTATE (PR)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
SEMINAL VESICLES (SV)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
EPIDIDYMIDES (EP)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
TESTIS (TE)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
	SEX:	----------FEMALE----------						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
	NUMBER:	37	37	35	30	0	28	0
MAMMARY, FEMALE (MF)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	13	12	14	16	0	11	0
MASS(ES)		20	19	17	11	0	14	0
CYST(S)		8	8	5	1	0	1	0
MASS #2		4	6	9	5	0	2	0
THICKENED		10	11	9	4	0	4	0
MASS #3		1	2	3	3	0	0	0
MASS #4		0	1	3	3	0	0	0
MASS #5		0	0	1	1	0	0	0
MASS #6		0	0	0	1	0	0	0
CERVIX (CV)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	35	35	33	29	0	27	0
MASS(ES)		0	1	1	0	0	1	0
LARGE		2	1	1	1	0	0	0
FIRM		0	0	1	0	0	0	0
UTERUS (UT)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	29	31	31	22	0	25	0
LUMEN FILLED WITH FLUID		1	0	1	5	0	1	0
CYST(S)		5	6	2	2	0	1	0
THICKENED WALL		1	0	1	1	0	0	0
LARGE, DIFFUSE		1	0	0	2	0	1	0
MASS(ES)		2	0	0	0	0	1	0

** CONTINUED ON NEXT PAGE **

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
	SEX:	FEMALE						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
	NUMBER:	37	37	35	30	0	28	0
** FROM PREVIOUS PAGE **								
UTERUS (UT)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	29	31	31	22	0	25	0
SEMIFLUID MATERIAL		0	0	0	1	0	0	0
OVARY (OV)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	34	31	28	18	0	22	0
CYST(S)		3	5	7	10	0	6	0
MISSING/NOT IDENTIFIED		0	1	0	1	0	0	0
MASS(ES)		0	0	0	1	0	0	0
MASS #2		0	0	0	1	0	0	0
VAGINA (VA)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	35	32	31	27	0	22	0
MASS(ES)		0	0	2	0	0	1	0
SEMIFLUID MATERIAL		2	5	2	3	0	5	0
LN, MEDIASTINAL (ML)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	37	37	35	30	0	27	0
DIFFUSELY RED		0	0	0	0	0	1	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		FEMALE						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		37	37	35	30	0	28	0
LN, MANDIBULAR (MN)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	33	34	31	25	0	26	0
DIFFUSELY RED		3	1	1	2	0	1	0
LARGE		1	2	2	0	0	2	0
MOTTLED		0	0	1	2	0	0	0
MISSING/NOT IDENTIFIED		0	0	0	1	0	0	0
CAVITY, ORAL (OC)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	37	37	35	30	0	28	0
LN, ANT MES/PANC (AP)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	37	37	35	30	0	28	0
CAVITY, ABDOM (PC)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	37	34	35	29	0	27	0
MASS(ES)		0	3	0	1	0	1	0
CALVARIUM/SKULL (CA)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	37	36	35	30	0	28	0
DEPRESSED AREA(S)		0	1	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		FEMALE						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		37	37	35	30	0	28	0
MAMMARY, MALE (MM)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
LN, LUMBAR/ILIAC (LM)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	36	36	34	30	0	25	0
LARGE		1	0	1	0	0	3	0
MOTTLED		1	1	0	0	0	0	0
ANUS (AN)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	37	37	35	30	0	28	0
LN, RENAL (RL)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	37	37	35	30	0	27	0
LARGE		0	0	0	0	0	1	0
TAIL (TI)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	37	37	34	28	0	28	0
CRUSTED AREA(S)		0	0	1	2	0	0	0
PENIS (PE)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	37	37	35	30	0	28	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		FEMALE						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		37	37	35	30	0	28	0
LN, INGUINAL (IN)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	36	36	35	29	0	27	0
LARGE		1	1	0	1	0	1	0
DIFFUSELY RED		1	1	0	0	0	0	0
DIFFUSELY DARK		0	0	0	1	0	0	0
CAVITY, THORACIC (TA)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	37	37	34	30	0	28	0
MASS(ES)		0	0	1	0	0	0	0
FOOT/FOOTPAD(S) (FP)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	33	34	32	30	0	26	0
CRUSTED AREA(S)		3	0	3	0	0	2	0
ABRASION(S)/ULCERATION(S)		1	3	0	0	0	0	0
LN, AXILLARY (AX)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	28	31	31	28	0	27	0
LARGE		4	0	3	1	0	1	0
MOTTLED		4	5	1	1	0	0	0
CYST(S)		1	0	0	0	0	0	0
DIFFUSELY RED		1	2	0	1	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D --- SEX: FEMALE						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
	NUMBER:	37	37	35	30	0	28	0
LN, TRACHEOBRON (TB)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	37	37	35	30	0	28	0
ADIPOSE TISSUE (AT)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	37	37	35	30	0	28	0
JOINT, OTHER (JT)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	35	37	35	30	0	28	0
LARGE		2	0	0	0	0	0	0
AORTA (AO)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	37	37	35	30	0	27	0
FIRM		0	0	0	0	0	1	0
LN, POPLITEAL (PP)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	37	37	35	30	0	28	0
SUBCUTANEOUS TIS (SQ)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	37	37	34	30	0	28	0
MASS(ES)		0	0	1	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		FEMALE						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		37	37	35	30	0	28	0
TONGUE (TO)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	37	37	35	30	0	27	0
MASS(ES)		0	0	0	0	0	1	0
URETER (UE)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	37	37	35	30	0	28	0
AORTIC ARCH (AA)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	37	37	35	30	0	28	0
TESTIS/EPIDIDYM (TP)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
PINNA (PN)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	37	37	35	30	0	28	0
THYROID/PARATHYR (TT)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	37	37	35	30	0	28	0
DIAPHRAGM (DP)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	37	37	35	30	0	28	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		FEMALE						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		37	37	35	30	0	28	0
BILE DUCT (BD)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	37	37	35	30	0	28	0
AUDITORY SEB GL (AS)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	37	37	35	30	0	28	0
ADRENAL (AD)	NUMBER EXAMINED:	37	37	35	30	0	28	0
	NOT REMARKABLE:	37	37	35	30	0	28	0

** END OF LIST **

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
TABLE INCLUDES:								
SEX=ALL;GROUP=ALL;WEEKS=ALL	SEX:	----------MALE----------						
DEATH=ALL;SUBSET=ALL								
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	70	60	60	70	13	40	1
** TOP OF LIST **								
GENERAL COMMENT (GC)	NUMBER EXAMINED:	70	60	60	70	13	40	1
NO MACROSCOPIC LESIONS		14	7	12	12	5	0	0
DISCHARGE-ORAL		2	2	1	3	2	1	1
STAINS-PERINEUM/PERIANAL		10	7	8	11	1	8	1
BLOOD FILM TAKEN		43	38	45	52	1	28	0
DISCHARGE-OCULAR		15	6	9	14	1	7	0
DISCHARGE-NASAL		4	3	5	10	2	5	0
MALOCCLUSION		3	5	6	18	2	7	0
STAINS - SKIN/HAIRCOAT		7	3	9	8	0	8	0
ANIMAL THIN		12	6	7	9	0	8	0
GI TRACT-DARK FLUID CONTENT		0	0	0	0	1	0	0
BONE MARROW SMEAR TAKEN		29	27	27	32	5	10	0
GI TRACT-LARGE LUMEN		1	1	1	1	0	2	0
GI TRACT-DARK DRY CONTENT		0	0	0	0	0	1	0
FLUID-THORACIC CAVITY		1	0	1	1	0	1	0
TEETH MISSING/BROKEN/WORN		1	2	0	8	0	1	0
AUTOLYSIS-SEVERE		0	0	1	1	0	0	0
ANIMAL OBESE		8	11	7	7	0	6	0
URINARY BLADDER-LARGE LUMEN		3	0	0	2	0	2	0
YELLOWISH MUCOUS MEMBRANES		0	0	0	1	0	0	0
TAIL - BENT/MISSING		0	0	0	1	0	0	0
BONE, FEMUR (FE)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	70	60	60	70	13	40	1

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
TABLE INCLUDES:								
SEX=ALL;GROUP=ALL;WEEKS=ALL	SEX:	----------MALE----------						
DEATH=ALL;SUBSET=ALL								
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	70	60	60	70	13	40	1
MARROW, FEMUR (FM)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	70	60	60	70	13	40	1
MARROW, STERNUM (SE)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	70	60	60	70	13	40	1
BONE, STERNUM (SB)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	70	60	60	70	13	40	1
EYE (EY)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	66	56	59	69	13	40	1
OPAQUE CORNEA		3	3	1	1	0	0	0
WHITE INTRAOCULAR MATERIAL		1	0	0	0	0	0	0
COLLAPSED GLOBE-ANTE MORTEM		0	1	1	0	0	0	0
BRAIN (BR)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	43	40	38	42	13	18	1
COMPRESSED (HYPOTHALAMUS)		27	20	22	28	0	22	0
SPINAL CORD (SC)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	70	60	60	70	13	40	1

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
TABLE INCLUDES:								
SEX=ALL;GROUP=ALL;WEEKS=ALL	SEX:	----------MALE----------						
DEATH=ALL;SUBSET=ALL								
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	70	60	60	70	13	40	1
		-=-	-=-	-=-	-=-	-=-	-=-	-=-
LUNG (LU)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	63	55	58	66	2	32	1
DIFFUSELY RED		0	2	0	1	2	1	0
MOTTLED		1	0	1	1	0	1	0
UNCOLLAPSED		1	2	1	0	0	2	0
LIGHT FOCUS(I)/AREA(S)		2	0	0	2	0	3	0
ADHESION(S)		1	1	1	2	0	0	0
RED FOCUS(I)/AREA(S)		1	0	0	0	0	2	0
MASS(ES)		1	0	0	2	0	0	0
KIDNEY (KD)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	57	48	52	56	13	30	1
LARGE PELVIS(ES)		9	4	7	8	0	5	0
ROUGH SURFACE, DIFFUSE		5	3	1	6	0	2	0
MOTTLED		1	1	1	1	0	0	0
SEMIFLUID MATERIAL-PELVIS		0	0	1	1	0	0	0
EROSION(S)/ULCERATION(S)		0	0	0	0	0	1	0
DIFFUSELY LIGHT		4	3	0	3	0	1	0
CYST(S)		3	3	0	0	0	0	0
DIFFUSELY DARK		0	0	0	2	0	1	0
CALCULUS(I)		1	2	1	0	0	1	0
GRANULAR MATERIAL		1	0	1	2	0	0	0
LARGE		2	5	0	0	0	1	0
ADHESION(S)		1	0	0	0	0	0	0
MASS(ES)		0	1	0	1	0	1	0

** CONTINUED ON NEXT PAGE **

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
TABLE INCLUDES:								
SEX=ALL;GROUP=ALL;WEEKS=ALL	SEX:	----------MALE----------						
DEATH=ALL;SUBSET=ALL								
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	70	60	60	70	13	40	1
** FROM PREVIOUS PAGE **								
KIDNEY (KD)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	57	48	52	56	13	30	1
DEPRESSED FOCUS(I)/AREA(S)		1	0	0	0	0	0	0
DARK FOCUS(I)/AREA(S)		0	1	0	0	0	0	0
SMALL		0	0	1	0	0	0	0
LIVER (LI)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	52	37	38	44	7	28	1
LIGHT FOCUS(I)/AREA(S)		0	4	2	5	1	4	0
LARGE		1	4	1	4	7	1	0
MOTTLED		5	3	9	6	2	1	0
DIFFUSELY DARK		0	0	0	5	2	1	0
DEPRESSED FOCUS(I)/AREA(S)		0	0	0	0	1	0	0
DIFFUSELY LIGHT		1	1	1	1	0	1	0
MASS(ES)		2	2	1	3	0	0	0
RED FOCUS(I)/AREA(S)		11	13	12	7	0	5	0
ROUGH SURFACE, DIFFUSE		0	0	0	0	0	1	0
DARK FOCUS(I)/AREA(S)		0	0	1	2	0	0	0
CYST(S)		1	0	0	1	0	0	0
HEART (HT)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	70	59	60	69	13	40	1
LARGE		0	0	0	1	0	0	0
MOTTLED		0	0	0	1	0	0	0

** CONTINUED ON NEXT PAGE **

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
TABLE INCLUDES:								
SEX=ALL;GROUP=ALL;WEEKS=ALL	SEX:	----------MALE----------						
DEATH=ALL;SUBSET=ALL								
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	70	60	60	70	13	40	1
** FROM PREVIOUS PAGE **								
HEART (HT)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	70	59	60	69	13	40	1
LIGHT FOCUS(I)/AREA(S)		0	1	0	0	0	0	0
MUSCLE, SKELETAL (SM)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	69	59	59	70	13	39	1
MASS(ES)		1	0	0	0	0	1	0
DIFFUSELY RED		0	0	1	0	0	0	0
ATROPHY-FOCAL		0	1	0	0	0	0	0
NERVE, SCIATIC (SN)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	70	60	60	70	13	40	1
LN, MESENTERIC (MS)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	66	59	58	67	13	40	1
LARGE		2	1	0	1	0	0	0
MOTTLED		1	0	1	1	0	0	0
DIFFUSELY RED		1	1	1	1	0	0	0
DIFFUSELY DARK		1	0	0	0	0	0	0
SMALL		1	0	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
TABLE INCLUDES:								
SEX=ALL;GROUP=ALL;WEEKS=ALL	SEX:	----------MALE----------						
DEATH=ALL;SUBSET=ALL								
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	70	60	60	70	13	40	1
SPLEEN (SP)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	68	58	60	67	13	40	1
SMALL		0	0	0	1	0	0	0
LARGE		2	1	0	1	0	0	0
ROUGH SURFACE		0	1	0	0	0	0	0
CYST(S)		0	0	0	1	0	0	0
THYMUS (TH)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	67	59	60	67	1	39	1
RED FOCUS(I)/AREA(S)		0	1	0	0	1	1	0
MOTTLED		1	0	0	0	0	0	0
MASS(ES)		1	0	0	1	0	0	0
DIFFUSELY RED		0	0	0	1	0	0	0
MISSING/NOT IDENTIFIED		1	0	0	1	0	0	0
ESOPHAGUS (ES)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	70	60	60	70	13	40	1
THYROID (TY)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	70	60	56	68	13	38	1
LARGE		0	0	3	2	0	2	0
RED FOCUS(I)/AREA(S)		0	0	1	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
TABLE INCLUDES:								
SEX=ALL;GROUP=ALL;WEEKS=ALL	SEX:	----------MALE----------						
DEATH=ALL;SUBSET=ALL								
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	70	60	60	70	13	40	1
PARATHYROID (PT)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	69	59	60	68	13	39	1
LARGE		1	1	0	2	0	1	0
TRACHEA (TR)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	70	60	60	70	13	40	1
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	64	57	54	67	1	39	1
DIFFUSELY RED		0	0	0	0	1	0	0
MASS(ES)		2	0	1	0	0	0	0
DARK FOCUS(I)/AREA(S)		2	1	0	0	0	0	0
LARGE		1	2	3	0	0	0	0
DIFFUSELY DARK		0	0	0	1	0	0	0
SMALL		0	0	2	1	0	0	0
MISSING/NOT IDENTIFIED		0	0	0	1	0	0	0
MOTTLED		1	0	0	0	0	0	0
RAISED AREA(S)		0	0	0	0	0	1	0
ADRENAL, MEDULLA (MA)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	70	60	60	70	13	40	1

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
TABLE INCLUDES:								
SEX=ALL;GROUP=ALL;WEEKS=ALL	SEX:	----------MALE----------						
DEATH=ALL;SUBSET=ALL								
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	70	60	60	70	13	40	1
PITUITARY (PI)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	36	37	29	35	13	12	1
MASS(ES)		30	19	22	29	0	22	0
DARK FOCUS(I)/AREA(S)		3	0	1	2	0	1	0
RED FOCUS(I)/AREA(S)		0	2	2	0	0	3	0
LARGE		0	3	1	1	0	2	0
DIFFUSELY RED		0	0	1	0	0	0	0
RAISED AREA(S)		0	0	2	1	0	0	0
LIGHT FOCUS(I)/AREA(S)		1	0	1	2	0	0	0
CYST(S)		0	0	1	0	0	0	0
HARDERIAN GLAND (HG)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	70	60	60	70	13	40	1
SALIV GL, MANDIB (SG)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	70	60	60	70	13	40	1
PANCREAS (PA)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	67	59	59	68	13	38	1
LARGE VESSELS		3	0	0	0	0	1	0
MASS(ES)		0	1	1	2	0	1	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		----------MALE----------						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		70	60	60	70	13	40	1
STOMACH, GL (ST)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	57	54	55	55	3	33	0
DARK FOCUS(I)/AREA(S)		7	2	2	8	2	6	1
RED FOCUS(I)/AREA(S)		3	1	0	2	1	0	0
THICKENED WALL		4	3	0	4	0	0	0
EROSION/ULCERATION		2	0	2	3	0	1	0
MASS(ES)		0	0	1	0	0	0	0
STOMACH, NONGL (SU)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	64	55	57	63	13	35	1
LIGHT FOCUS(I)/AREA(S)		0	0	0	1	0	0	0
EROSION/ULCERATION		3	2	3	5	0	4	0
THICKENED WALL		3	3	1	2	0	3	0
DARK FOCUS(I)/AREA(S)		1	1	0	0	0	1	0
DUODENUM (DU)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	70	60	60	70	13	40	1
JEJUNUM (JE)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	70	60	60	70	13	40	1
ILEUM (IL)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	70	60	60	70	13	40	1

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
TABLE INCLUDES:								
SEX=ALL;GROUP=ALL;WEEKS=ALL	SEX:	----------MALE----------						
DEATH=ALL;SUBSET=ALL								
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	70	60	60	70	13	40	1
CECUM (CE)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	69	60	59	70	12	40	1
DIFFUSELY RED		0	0	0	0	1	0	0
RED FOCUS(I)/AREA(S)		1	0	0	0	0	0	0
THICKENED WALL		0	0	1	0	0	0	0
COLON (CO)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	70	60	60	70	13	40	1
RECTUM (RE)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	70	60	60	70	13	40	1
SKIN (SK)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	67	51	54	66	13	35	1
RED FOCUS(I)/AREA(S)		0	0	0	1	0	0	0
MASS(ES)		0	4	2	2	0	3	0
CRUSTED AREA(S)		0	3	4	0	0	2	0
RAISED AREA(S)		3	1	0	1	0	0	0
ABRASION(S)/ULCERATION(S)		0	1	1	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
TABLE INCLUDES:								
SEX=ALL;GROUP=ALL;WEEKS=ALL	SEX:	----------MALE----------						
DEATH=ALL;SUBSET=ALL								
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	70	60	60	70	13	40	1
URINARY BLADDER (UB)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	68	59	59	66	13	38	1
THICKENED WALL		1	1	0	2	0	0	0
CALCULUS(I)		2	0	1	2	0	1	0
SEMIFLUID MATERIAL		0	0	0	2	0	0	0
RED FOCUS(I)/AREA(S)		0	0	0	1	0	0	0
DIFFUSELY RED		0	0	0	1	0	2	0
PROSTATE (PR)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	60	55	49	60	13	33	1
LARGE		1	0	0	2	0	0	0
NODULAR		9	5	11	5	0	5	0
DIFFUSELY RED		0	0	0	1	0	0	0
SMALL		0	0	0	2	0	1	0
MOTTLED		0	0	0	0	0	1	0
GELATINOUS		0	0	0	1	0	0	0
MASS(ES)		0	0	0	1	0	0	0
SEMINAL VESICLES (SV)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	58	57	56	62	13	27	1
SMALL		6	2	3	4	0	9	0
GELATINOUS		1	1	0	1	0	2	0
LARGE		5	0	1	4	0	3	0
MOTTLED		1	0	1	0	0	1	0

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
TABLE INCLUDES:								
SEX=ALL;GROUP=ALL;WEEKS=ALL	SEX:	----------MALE----------						
DEATH=ALL;SUBSET=ALL								
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	70	60	60	70	13	40	1
** FROM PREVIOUS PAGE **								
SEMINAL VESICLES (SV)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	58	57	56	62	13	27	1
DIFFUSELY RED		0	0	0	1	0	0	0
EPIDIDYMIDES (EP)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	68	60	60	70	13	39	1
SMALL		2	0	0	0	0	1	0
TESTIS (TE)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	64	57	54	61	13	34	1
SMALL		6	3	4	7	0	6	0
CONTAINS FLUID		0	0	1	0	0	0	0
DIFFUSELY RED		0	0	0	1	0	0	0
LARGE		1	0	1	0	0	0	0
RED/YELLOW FOCUS(I)/AREA(S)		1	0	1	0	0	0	0
RED FOCUS(I)/AREA(S)		0	0	0	1	0	0	0
MAMMARY, FEMALE (MF)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
CERVIX (CV)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		----------MALE----------						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		70	60	60	70	13	40	1
UTERUS (UT)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
OVARY (OV)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
VAGINA (VA)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
LN, MEDIASTINAL (ML)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	68	59	58	69	13	40	1
LARGE		1	0	1	1	0	0	0
DIFFUSELY RED		2	0	1	1	0	0	0
CYST(S)		0	1	0	0	0	0	0
LN, MANDIBULAR (MN)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	61	51	57	66	13	36	1
DIFFUSELY RED		6	7	0	3	0	2	0
LARGE		2	2	0	0	0	3	0
MOTTLED		1	0	3	1	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		----------MALE----------						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		70	60	60	70	13	40	1
CAVITY, ORAL (OC)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	70	59	60	70	13	40	1
FRACTURE(S)		0	1	0	0	0	0	0
LN, ANT MES/PANC (AP)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	69	57	59	69	13	40	1
LARGE		1	2	0	0	0	0	0
MOTTLED		1	0	0	0	0	0	0
DIFFUSELY RED		0	2	1	1	0	0	0
CAVITY, ABDOM (PC)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	70	60	59	70	1	39	1
EDEMA		0	0	0	0	1	0	0
MASS(ES)		0	0	1	0	0	1	0
CALVARIUM/SKULL (CA)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	70	60	60	70	13	40	1
MAMMARY, MALE (MM)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	60	55	58	64	13	37	1
MASS(ES)		4	3	0	5	0	1	0
CYST(S)		5	2	1	0	0	2	0

** CONTINUED ON NEXT PAGE **

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
TABLE INCLUDES:								
SEX=ALL;GROUP=ALL;WEEKS=ALL	SEX:	----------MALE----------						
DEATH=ALL;SUBSET=ALL								
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	70	60	60	70	13	40	1
** FROM PREVIOUS PAGE **								
MAMMARY, MALE (MM)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	60	55	58	64	13	37	1
THICKENED		1	0	1	1	0	0	0
LN, LUMBAR/ILIAC (LM)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	65	51	56	66	13	40	1
LARGE		5	7	4	4	0	0	0
MOTTLED		2	1	0	0	0	0	0
DIFFUSELY RED		0	1	1	0	0	0	0
CYSTS		0	1	0	0	0	0	0
ANUS (AN)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	70	60	60	70	13	39	1
MASS(ES)		0	0	0	0	0	1	0
LN, RENAL (RL)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	66	60	59	69	13	39	1
LARGE		4	0	0	0	0	1	0
MOTTLED		1	0	0	0	0	0	0
CYST(S)		0	0	0	1	0	0	0
DIFFUSELY RED		0	0	1	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		----------MALE----------						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		70	60	60	70	13	40	1
TAIL (TI)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	68	56	59	68	13	37	1
RAISED AREA(S)		1	1	0	0	0	1	0
CRUSTED AREA(S)		1	2	1	1	0	1	0
ABRASION/ULCERATIONS		0	1	0	0	0	0	0
DIFFUSELY DARK		0	0	0	0	0	1	0
LARGE		0	0	0	1	0	0	0
PENIS (PE)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	69	59	60	70	13	40	1
PROTRUDING		1	1	0	0	0	0	0
LN, INGUINAL (IN)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	70	60	60	70	13	40	1
CAVITY, THORACIC (TA)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	70	60	60	70	13	40	1
FOOT/FOOTPAD(S) (FP)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	58	53	48	63	13	30	1
CRUSTED AREA(S)		5	6	5	4	0	7	0
ABRASION(S)/ULCERATION(S)		7	1	7	3	0	4	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D --- SEX: MALE						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
	NUMBER:	70	60	60	70	13	40	1
LN, AXILLARY (AX)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	70	58	60	70	13	40	1
LARGE		0	2	0	0	0	0	0
MOTTLED		0	1	0	0	0	0	0
LN, TRACHEOBRON (TB)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	70	60	60	68	13	40	1
DIFFUSELY RED		0	0	0	2	0	0	0
LARGE		0	0	0	1	0	0	0
ADIPOSE TISSUE (AT)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	70	59	60	69	13	40	1
THICKENED		0	0	0	1	0	0	0
MASS(ES)		0	1	0	0	0	0	0
JOINT, OTHER (JT)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	69	59	59	69	13	40	1
LARGE		1	1	1	1	0	0	0
AORTA (AO)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	67	60	60	70	13	40	1
LARGE		3	0	0	0	0	0	0

** CONTINUED ON NEXT PAGE **

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
TABLE INCLUDES: SEX=ALL;GROUP=ALL;WEEKS=ALL DEATH=ALL;SUBSET=ALL	SEX:	----------MALE----------						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	70	60	60	70	13	40	1
** FROM PREVIOUS PAGE **								
AORTA (AO)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	67	60	60	70	13	40	1
THICKENED WALL		1	0	0	0	0	0	0
LN, POPLITEAL (PP)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	69	58	59	70	13	40	1
LARGE		1	2	1	0	0	0	0
SUBCUTANEOUS TIS (SQ)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	70	60	60	70	13	40	1
TONGUE (TO)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	70	60	60	70	13	40	1
URETER (UE)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	70	60	60	70	13	38	1
LARGE		0	0	0	0	0	2	0
AORTIC ARCH (AA)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	69	60	60	70	13	40	1
LARGE		1	0	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D --- SEX: MALE						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
	NUMBER:	70	60	60	70	13	40	1
TESTIS/EPIDIDYM (TP)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	70	60	60	70	13	40	1
PINNA (PN)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	70	60	60	70	13	39	1
CRUSTED AREA(S)		0	0	0	0	0	1	0
THYROID/PARATHYR (TT)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	70	60	60	70	13	40	1
DIAPHRAGM (DP)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	69	60	60	70	13	40	1
MASS(ES)		1	0	0	0	0	0	0
BILE DUCT (BD)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	70	59	60	70	13	40	1
LARGE		0	1	0	0	0	0	0
AUDITORY SEB GL (AS)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	70	60	60	70	13	39	1
MASS(ES)		0	0	0	0	0	1	0

Incidence of Macroscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
TABLE INCLUDES:								
SEX=ALL;GROUP=ALL;WEEKS=ALL	SEX:	----------MALE----------						
DEATH=ALL;SUBSET=ALL								
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	70	60	60	70	13	40	1
ADRENAL (AD)	NUMBER EXAMINED:	70	60	60	70	13	40	1
	NOT REMARKABLE:	70	60	60	70	13	40	1

** END OF LIST **

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
TABLE INCLUDES:								
SEX=ALL;GROUP=ALL;WEEKS=ALL	SEX:	----------FEMALE----------						
DEATH=ALL;SUBSET=ALL								
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	70	60	60	70	10	40	0
** TOP OF LIST **								
GENERAL COMMENT (GC)	NUMBER EXAMINED:	70	60	60	70	10	40	0
NO MACROSCOPIC LESIONS		14	9	7	12	6	0	0
DISCHARGE-ORAL		0	1	1	3	0	1	0
STAINS-PERINEUM/PERIANAL		8	7	15	12	0	5	0
BLOOD FILM TAKEN		49	43	44	53	0	34	0
DISCHARGE-OCULAR		18	20	20	13	0	11	0
DISCHARGE-NASAL		3	5	5	12	0	4	0
MALOCCLUSION		2	10	7	12	0	7	0
STAINS - SKIN/HAIRCOAT		3	4	2	11	0	5	0
ANIMAL THIN		11	10	18	13	0	10	0
GI TRACT-DARK FLUID CONTENT		0	1	1	0	0	0	0
BONE MARROW SMEAR TAKEN		28	18	20	32	5	12	0
URINARY BLADDER-SMALL LUMEN		0	0	1	0	0	0	0
TRACHEA-CONTENT FOAMY MATTER		0	0	0	1	0	0	0
GI TRACT-LARGE LUMEN		0	0	0	0	0	1	0
GI TRACT-DARK DRY CONTENT		0	0	1	0	0	1	0
FLUID-THORACIC CAVITY		0	0	1	0	0	2	0
TEETH MISSING/BROKEN/WORN		2	1	1	2	0	2	0
AUTOLYSIS-SEVERE		0	0	1	0	0	0	0
ANIMAL OBESE		1	2	2	0	0	2	0
TAIL - BENT/MISSING		0	0	0	0	0	1	0
FLUID-ABDOMINAL CAVITY		0	0	0	1	0	0	0
BONE, FEMUR (FE)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	70	60	60	70	10	40	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		FEMALE						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		70	60	60	70	10	40	0
MARROW, FEMUR (FM)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	70	60	60	70	10	40	0
MARROW, STERNUM (SE)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	70	60	60	70	10	40	0
BONE, STERNUM (SB)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	70	60	60	70	10	40	0
EYE (EY)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	70	60	59	69	10	38	0
OPAQUE CORNEA		0	0	1	0	0	1	0
WHITE INTRAOCULAR MATERIAL		0	0	0	0	0	1	0
RED INTRAOCULAR MATERIAL		0	0	0	1	0	0	0
BRAIN (BR)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	32	22	23	37	10	16	0
LACERATION		0	0	0	1	0	0	0
COMPRESSED (HYPOTHALAMUS)		38	38	37	32	0	24	0
SPINAL CORD (SC)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	70	60	60	70	10	40	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
TABLE INCLUDES:								
SEX=ALL;GROUP=ALL;WEEKS=ALL	SEX:	----------FEMALE----------						
DEATH=ALL;SUBSET=ALL								
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	70	60	60	70	10	40	0
LUNG (LU)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	69	58	59	61	10	34	0
DIFFUSELY RED		1	1	1	0	0	0	0
MOTTLED		0	0	0	1	0	0	0
UNCOLLAPSED		0	1	1	2	0	0	0
LIGHT FOCUS(I)/AREA(S)		0	0	0	7	0	4	0
RED FOCUS(I)/AREA(S)		0	0	0	0	0	1	0
MASS(ES)		0	0	0	0	0	1	0
KIDNEY (KD)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	61	57	56	63	10	35	0
LARGE PELVIS(ES)		5	1	3	0	0	2	0
ROUGH SURFACE, DIFFUSE		1	0	0	0	0	1	0
MOTTLED		1	1	0	1	0	0	0
DIFFUSELY LIGHT		0	0	0	1	0	1	0
CYST(S)		1	0	0	4	0	0	0
DIFFUSELY DARK		0	0	0	2	0	0	0
CALCULUS(I)		1	0	0	0	0	0	0
GRANULAR MATERIAL		3	1	1	0	0	1	0
MASS(ES)		0	0	0	0	0	1	0
LIGHT FOCUS(I)/AREA(S)		0	0	0	0	0	1	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		FEMALE						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		70	60	60	70	10	40	0
LIVER (LI)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	55	44	52	41	7	23	0
LIGHT FOCUS(I)/AREA(S)		0	3	2	6	0	6	0
LARGE		1	1	0	3	2	0	0
MOTTLED		3	2	1	8	1	4	0
DIFFUSELY DARK		0	0	0	7	2	1	0
DEPRESSED FOCUS(I)/AREA(S)		0	1	0	0	0	0	0
DIFFUSELY LIGHT		4	2	0	1	0	2	0
MASS(ES)		0	1	0	3	0	0	0
RED FOCUS(I)/AREA(S)		7	8	6	8	0	7	0
DARK FOCUS(I)/AREA(S)		0	1	0	3	0	1	0
RAISED FOCUS(I)/AREA(S)		0	0	1	0	0	0	0
CYST(S)		0	0	0	1	0	0	0
ADHESION(S)		1	0	0	0	0	0	0
MASS #2		0	0	0	1	0	1	0
HEART (HT)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	70	60	60	69	10	40	0
DIFFUSELY LIGHT		0	0	0	1	0	0	0
MUSCLE, SKELETAL (SM)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	70	60	60	70	10	40	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
TABLE INCLUDES:								
SEX=ALL;GROUP=ALL;WEEKS=ALL	SEX:	----------FEMALE----------						
DEATH=ALL;SUBSET=ALL								
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	70	60	60	70	70	40	0
NERVE, SCIATIC (SN)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	70	60	60	70	10	40	0
LN, MESENTERIC (MS)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	66	59	54	67	10	39	0
LARGE		1	1	2	0	0	0	0
MOTTLED		1	0	1	1	0	0	0
DIFFUSELY RED		1	0	2	2	0	0	0
DIFFUSELY DARK		1	0	1	0	0	0	0
RED FOCUS(I)/AREA(S)		0	0	1	0	0	0	0
GELATINOUS		0	0	0	0	0	1	0
SPLEEN (SP)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	69	60	59	67	10	38	0
SMALL		1	0	0	0	0	1	0
LARGE		0	0	1	2	0	1	0
LIGHT FOCUS(I)/AREA(S)		0	0	0	1	0	0	0
THYMUS (TH)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	69	59	60	69	9	40	0
RED FOCUS(I)/AREA(S)		0	0	0	0	1	0	0
MOTTLED		1	0	0	0	0	0	0
MISSING/NOT IDENTIFIED		0	1	0	0	0	0	0

** CONTINUED ON NEXT PAGE **

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
TABLE INCLUDES:								
SEX=ALL;GROUP=ALL;WEEKS=ALL	SEX:	----------FEMALE----------						
DEATH=ALL;SUBSET=ALL								
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	70	60	60	70	10	40	0
** FROM PREVIOUS PAGE **								
THYMUS (TH)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	69	59	60	69	9	40	0
LARGE		1	0	0	0	0	0	0
CYST(S)		0	0	0	1	0	0	0
ESOPHAGUS (ES)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	70	60	60	70	10	40	0
THYROID (TY)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	68	58	58	69	10	40	0
DIFFUSELY RED		0	1	0	0	0	0	0
MASS(ES)		1	0	0	0	0	0	0
LARGE		1	1	2	1	0	0	0
DIFFUSELY DARK		1	0	0	0	0	0	0
PARATHYROID (PT)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	70	60	60	69	10	40	0
LARGE		0	0	0	1	0	0	0
TRACHEA (TR)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	70	60	60	70	10	40	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
TABLE INCLUDES:								
SEX=ALL;GROUP=ALL;WEEKS=ALL	SEX:	----------FEMALE----------						
DEATH=ALL;SUBSET=ALL								
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	70	60	60	70	10	40	0
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	57	46	48	65	10	34	0
DIFFUSELY RED		1	2	1	0	0	0	0
MASS(ES)		1	2	0	1	0	1	0
DARK FOCUS(I)/AREA(S)		0	0	1	0	0	1	0
LARGE		8	8	8	2	0	3	0
CYST(S)		0	1	1	0	0	0	0
LIGHT FOCUS(I)/AREA(S)		0	1	1	2	0	0	0
DIFFUSELY DARK		3	0	0	1	0	0	0
SMALL		0	1	1	0	0	1	0
RED FOCUS(I)/AREA(S)		2	1	0	0	0	1	0
DIFFUSELY LIGHT		0	0	1	0	0	0	0
ADRENAL, MEDULLA (MA)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	70	60	60	70	10	40	0
PITUITARY (PI)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	28	16	12	27	10	7	0
MISSING/NOT IDENTIFIED		0	0	0	1	0	0	0
MASS(ES)		38	36	36	32	0	24	0
DARK FOCUS(I)/AREA(S)		3	2	4	2	0	2	0
RED FOCUS(I)/AREA(S)		0	3	4	3	0	4	0
LARGE		2	5	8	6	0	5	0
RAISED AREA(S)		0	1	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
TABLE INCLUDES:								
SEX=ALL;GROUP=ALL;WEEKS=ALL	SEX:	----------FEMALE----------						
DEATH=ALL;SUBSET=ALL								
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	70	60	60	70	10	40	0
HARDERIAN GLAND (HG)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	70	60	60	70	10	40	0
SALIV GL, MANDIB (SG)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	70	60	60	70	10	40	0
PANCREAS (PA)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	70	58	60	70	10	40	0
LARGE VESSELS		0	1	0	0	0	0	0
MASS(ES)		0	1	0	0	0	0	0
STOMACH, GL (ST)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	63	55	55	54	9	34	0
DARK FOCUS(I)/AREA(S)		3	2	3	11	1	1	0
RED FOCUS(I)/AREA(S)		2	2	1	2	0	1	0
THICKENED WALL		0	2	0	0	0	1	0
EROSION/ULCERATION		1	0	1	2	0	2	0
LIGHT FOCUS(I)/AREA(S)		1	0	0	1	0	1	0
STOMACH, NONGL (SU)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	63	55	59	66	10	35	0
LIGHT FOCUS(I)/AREA(S)		3	0	0	0	0	0	0

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
TABLE INCLUDES:								
SEX=ALL;GROUP=ALL;WEEKS=ALL	SEX:	----------FEMALE----------						
DEATH=ALL;SUBSET=ALL								
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	70	60	60	70	10	40	0
** FROM PREVIOUS PAGE **								
STOMACH, NONGL (SU)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	63	55	59	66	10	35	0
EROSION/ULCERATION		2	3	1	3	0	4	0
THICKENED WALL		1	2	0	1	0	2	0
DARK FOCUS(I)/AREA(S)		1	1	0	1	0	1	0
RAISED AREA(S)		1	0	0	0	0	0	0
DUODENUM (DU)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	70	60	60	70	10	40	0
JEJUNUM (JE)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	69	57	60	70	10	39	0
MASS(ES)		0	0	0	0	0	1	0
DIVERTICULUM(A)		1	2	0	0	0	0	0
LARGE LYMPHOID AREA(S)		0	1	0	0	0	0	0
ILEUM (IL)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	70	59	60	70	10	40	0
LARGE LYMPHOID AREA(S)		0	1	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		FEMALE						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		70	60	60	70	10	40	0
CECUM (CE)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	69	60	60	70	10	40	0
SMALL		1	0	0	0	0	0	0
COLON (CO)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	70	60	60	70	10	40	0
RECTUM (RE)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	70	60	60	70	10	40	0
SKIN (SK)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	69	57	58	68	10	38	0
ALOPECIA-FOCAL		0	0	1	1	0	0	0
MASS(ES)		0	2	1	1	0	1	0
CRUSTED AREA(S)		1	1	0	0	0	1	0
ALOPECIA-DIFFUSE		0	0	0	0	0	1	0
URINARY BLADDER (UB)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	70	60	60	70	10	40	0
PROSTATE (PR)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		FEMALE						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		70	60	60	70	10	40	0
SEMINAL VESICLES (SV)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
EPIDIDYMIDES (EP)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
TESTIS (TE)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
MAMMARY, FEMALE (MF)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	35	25	28	46	10	19	0
MASS(ES)		28	27	26	20	0	17	0
CYST(S)		12	8	5	3	0	4	0
MASS #2		6	10	15	9	0	4	0
THICKENED		15	15	15	8	0	6	0
MASS #3		3	4	4	5	0	0	0
MASS #4		0	2	4	3	0	0	0
MASS #5		0	0	2	1	0	0	0
MASS #6		0	0	0	1	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES: SEX=ALL;GROUP=ALL;WEEKS=ALL DEATH=ALL;SUBSET=ALL		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
	SEX:	FEMALE						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	70	60	60	70	10	40	0
CERVIX (CV)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	66	56	57	66	10	37	0
MASS(ES)		0	2	2	1	0	3	0
LARGE		4	2	1	2	0	0	0
FIRM		0	0	1	0	0	0	0
LIGHT FOCUS(I)/AREA(S)		0	0	0	1	0	0	0
UTERUS (UT)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	53	50	50	52	9	33	0
LUMEN FILLED WITH FLUID		3	0	2	8	1	1	0
CYST(S)		10	9	6	5	0	5	0
THICKENED WALL		1	0	1	4	0	0	0
LARGE, DIFFUSE		3	0	0	2	0	1	0
MASS(ES)		3	2	1	2	0	1	0
SEMIFLUID MATERIAL		0	0	0	1	0	0	0
LARGE, FOCAL		0	0	0	1	0	0	0
RED FOCUS(I)/AREA(S)		0	0	1	0	0	0	0
SEMISOLID MATERIAL		0	0	1	0	0	0	0
OVARY (OV)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	63	49	49	49	10	30	0
CYST(S)		7	10	11	19	0	10	0
MISSING/NOT IDENTIFIED		0	1	0	1	0	0	0
MASS(ES)		0	0	0	1	0	0	0

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
TABLE INCLUDES:								
SEX=ALL;GROUP=ALL;WEEKS=ALL	SEX:	----------FEMALE----------						
DEATH=ALL;SUBSET=ALL								
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	70	60	60	70	10	40	0
** FROM PREVIOUS PAGE **								
OVARY (OV)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	63	49	49	49	10	30	0
MASS #2		0	0	0	1	0	0	0
VAGINA (VA)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	67	55	55	67	10	33	0
MASS(ES)		0	0	2	0	0	2	0
SEMIFLUID MATERIAL		3	5	3	3	0	5	0
LN, MEDIASTINAL (ML)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	70	59	60	69	10	39	0
LARGE		0	1	0	1	0	0	0
DIFFUSELY RED		0	1	0	0	0	1	0
LN, MANDIBULAR (MN)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	62	54	51	63	10	33	0
DIFFUSELY RED		6	2	5	3	0	4	0
RED FOCUS(I)/AREA(S)		0	1	0	0	0	0	0
LARGE		1	2	2	0	0	2	0
MOTTLED		1	1	2	3	0	2	0
MISSING/NOT IDENTIFIED		0	0	0	1	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- NUMBER-OF-ANIMALS-AFFECTED ---						
SEX:		FEMALE						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		70	60	60	70	10	40	0
CAVITY, ORAL (OC)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	70	60	60	70	10	40	0
LN, ANT MES/PANC (AP)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	70	59	60	70	10	40	0
DIFFUSELY RED		0	1	0	0	0	0	0
CAVITY, ABDOM (PC)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	70	57	59	68	10	38	0
MASS(ES)		0	3	1	2	0	2	0
CALVARIUM/SKULL (CA)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	70	59	60	69	10	40	0
FRACTURE(S)		0	0	0	1	0	0	0
DEPRESSED AREA(S)		0	1	0	0	0	0	0
MAMMARY, MALE (MM)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		FEMALE						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		70	60	60	70	10	40	0
LN, LUMBAR/ILIAC (LM)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	68	59	59	70	10	37	0
LARGE		1	0	1	0	0	3	0
MOTTLED		2	1	0	0	0	0	0
ANUS (AN)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	70	60	60	70	10	40	0
LN, RENAL (RL)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	69	59	60	69	10	38	0
LARGE		1	1	0	0	0	1	0
DIFFUSELY RED		1	1	0	1	0	1	0
SMALL		1	0	0	0	0	0	0
TAIL (TI)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	70	60	59	67	10	39	0
RAISED AREA(S)		0	0	0	1	0	0	0
CRUSTED AREA(S)		0	0	1	2	0	1	0
PENIS (PE)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	70	60	60	70	10	40	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		FEMALE						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		70	60	60	70	10	40	0
LN, INGUINAL (IN)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	69	59	60	68	10	39	0
LARGE		1	1	0	1	0	1	0
DIFFUSELY RED		1	1	0	0	0	0	0
DIFFUSELY DARK		0	0	0	2	0	0	0
CAVITY, THORACIC (TA)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	70	60	59	70	10	40	0
MASS(ES)		0	0	1	0	0	0	0
FOOT/FOOTPAD(S) (FP)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	63	57	57	69	10	36	0
CRUSTED AREA(S)		6	0	3	1	0	4	0
ABRASION(S)/ULCERATION(S)		1	3	0	0	0	0	0
LN, AXILLARY (AX)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	59	53	55	64	10	38	0
LARGE		5	1	3	3	0	1	0
MOTTLED		5	5	2	3	0	1	0
CYST(S)		1	0	0	0	0	0	0
DIFFUSELY RED		1	2	0	2	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		----------FEMALE----------						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		70	60	60	70	10	40	0
LN, TRACHEOBRON (TB)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	70	60	60	70	10	40	0
ADIPOSE TISSUE (AT)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	69	60	60	70	10	40	0
MASS(ES)		1	0	0	0	0	0	0
JOINT, OTHER (JT)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	67	60	59	70	10	40	0
LARGE		3	0	1	0	0	0	0
AORTA (AO)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	70	60	60	70	10	39	0
FIRM		0	0	0	0	0	1	0
LN, POPLITEAL (PP)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	70	60	59	70	10	40	0
LARGE		0	0	1	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		FEMALE						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		70	60	60	70	10	40	0
SUBCUTANEOUS TIS (SQ)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	70	60	59	70	10	40	0
MASS(ES)		0	0	1	0	0	0	0
TONGUE (TO)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	70	60	60	70	10	39	0
MASS(ES)		0	0	0	0	0	1	0
URETER (UE)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	70	60	60	70	10	40	0
AORTIC ARCH (AA)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	70	60	60	70	10	40	0
TESTIS/EPIDIDYM (TP)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
PINNA (PN)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	70	60	60	69	10	40	0
RED FOCUS(I)/AREA(S)		0	0	0	1	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		FEMALE						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		70	60	60	70	10	40	0
THYROID/PARATHYR (TT)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	70	60	60	69	10	40	0
MISSING/NOT IDENTIFIED		0	0	0	1	0	0	0
DIAPHRAGM (DP)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	70	60	60	70	10	40	0
BILE DUCT (BD)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	70	60	60	70	10	40	0
AUDITORY SEB GL (AS)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	70	60	60	70	10	40	0
ADRENAL (AD)	NUMBER EXAMINED:	70	60	60	70	10	40	0
	NOT REMARKABLE:	70	60	60	70	10	40	0

** END OF LIST **

COVANCE
THE DEVELOPMENT SERVICES COMPANY

Sponsor:

3M
St. Paul, Minnesota

FINAL REPORT

Study Title:

104-Week Dietary Carcinogenicity Study with Narrow Range (98.1%) N-Ethyl Perfluorooctanesulfonamido Ethanol in Rats

Author:

Peter J. Thomford, PhD

Study Completion Date:

December 13, 2001

Testing Facility:

Covance Laboratories Inc.
3301 Kinsman Boulevard
Madison, Wisconsin 53704-2595

Laboratory Study Identification:

Covance 6329-212

Sponsor Study Identification:

3M T-6316.1

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Incidence of Microscopic Observations

Week 8 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=2;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-5-	-1-	-5-
NUMBER:		5	5	5	5
** TOP OF LIST **					
EYE (EY)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
BRAIN (BR)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
LIVER (LI)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	3	0	4	0
--HEMORRHAGE		0	3	0	1
--HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR		0	5	1	5
--INFLAMMATION, CHRONIC		2	0	0	0
--NECROSIS, HEPATOCELLULAR		0	3	0	1
--VACUOLATION, HEPATOCELLULAR		0	1	0	0
LIVER, OIL RED O (LI1)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
KIDNEY (KD)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	3	4	5	4
--CAST, PROTEINACEOUS		1	0	0	0
--CYST		1	1	0	0
--MINERALIZATION, TUBULAR		0	0	0	1
--NEPHROPATHY, CHRONIC PROGRESSIVE		0	1	0	0

Incidence of Microscopic Observations

Week 8 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=2;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-5-	-1-	-5-
NUMBER:		5	5	5	5
SPLEEN (SP)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
PANCREAS (PA)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
ADRENAL, MEDULLA (MA)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
LN, MESENTERIC (MS)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	4	5	5	5
--HEMORRHAGE		1	0	0	0
OVARY (OV)	NUMBER EXAMINED:	0	0	5	5
	NOT REMARKABLE:	0	0	5	5
TESTIS (TE)	NUMBER EXAMINED:	5	5	0	0
	NOT REMARKABLE:	5	5	0	0

Incidence of Microscopic Observations

Week 8 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=2;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-5-	-1-	-5-
NUMBER:		5	5	5	5
BONE, FEMUR (FE)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
MARROW, FEMUR (FM)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
MARROW, STERNUM (SE)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
BONE, STERNUM (SB)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
SPINAL CORD (SC)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
THYMUS (TH)	NUMBER EXAMINED:	1	0	0	0
	NOT REMARKABLE:	1	0	0	0
LUNG (LU)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0

Incidence of Microscopic Observations

Week 8 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=2;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-5-	-1-	-5-
NUMBER:		5	5	5	5
HEART (HT)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
MUSCLE, SKELETAL (SM)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
NERVE, SCIATIC (SN)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
TRACHEA (TR)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
ESOPHAGUS (ES)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
THYROID (TY)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
PARATHYROID (PT)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0

Incidence of Microscopic Observations

Week 8 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=2;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER-OF-ANIMALS-AFFECTED ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-5-	-1-	-5-
NUMBER:		5	5	5	5
PITUITARY (PI)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
HARDERIAN GLAND (HG)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
SALIV GL, MANDIB (SG)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
STOMACH, GL (ST)	NUMBER EXAMINED:	1	0	0	0
	NOT REMARKABLE:	1	0	0	0
STOMACH, NONGL (SU)	NUMBER EXAMINED:	1	0	0	0
	NOT REMARKABLE:	1	0	0	0
DUODENUM (DU)	NUMBER EXAMINED:	4	1	0	0
	NOT REMARKABLE:	4	1	0	0
JEJUNUM (JE)	NUMBER EXAMINED:	1	0	0	0
	NOT REMARKABLE:	1	0	0	0

Incidence of Microscopic Observations

Week 8 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=2;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER-OF-ANIMALS-AFFECTED ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-5-	-1-	-5-
NUMBER:		5	5	5	5
ILEUM (IL)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
CECUM (CE)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
COLON (CO)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
RECTUM (RE)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
SKIN (SK)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
MAMMARY, FEMALE (MF)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
URINARY BLADDER (UB)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0

Incidence of Microscopic Observations

Week 8 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=2;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-5-	-1-	-5-
NUMBER:		5	5	5	5
CERVIX (CV)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
UTERUS (UT)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
VAGINA (VA)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
PROSTATE (PR)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
SEMINAL VESICLES (SV)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
EPIDIDYMIDES (EP)	NUMBER EXAMINED:	1	0	0	0
	NOT REMARKABLE:	1	0	0	0
CAUSE OF DEATH (CD)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	0	0	0	0
--SCHEDULED SACRIFICE		5	5	5	5

Incidence of Microscopic Observations

Week 8 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=2;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER-OF-ANIMALS-AFFECTED ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-5-	-1-	-5-
NUMBER:		5	5	5	5
LN, MANDIBULAR (MN)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
LN, MEDIASTINAL (ML)	NUMBER EXAMINED:	0	0	0	1
	NOT REMARKABLE:	0	0	0	0
--HEMORRHAGE		0	0	0	1
CAVITY, ABDOM (PC)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
CAVITY, ORAL (OC)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
HEMATO NEOPLASIA (HN)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
MESENTERY (MY)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
LN, ANT MES/PANC (AP)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0

Incidence of Microscopic Observations

Week 8 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=2;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER-OF-ANIMALS-AFFECTED ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-5-	-1-	-5-
NUMBER:		5	5	5	5
LN, LUMBAR/ILIAC (LM)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
LN, RENAL (RL)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
MAMMARY, MALE (MM)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
LN, AXILLARY (AX)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
CALVARIUM/SKULL (CA)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
TAIL (TI)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
ANUS (AN)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0

Incidence of Microscopic Observations

Week 8 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=2;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-5-	-1-	-5-
NUMBER:		5	5	5	5
FOOT/FOOTPAD(S) (FP)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
LN, INGUINAL (IN)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
JOINT, OTHER (JT)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
ADIPOSE TISSUE (AT)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
AORTA (AO)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
PENIS (PE)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
PREPUTIAL GLAND (PG)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0

Incidence of Microscopic Observations

Week 8 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=2;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-5-	-1-	-5-
NUMBER:		5	5	5	5
AUDITORY SEB GL (AS)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
AORTIC ARCH (AA)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
LN, TRACHEOBRON (TB)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
URETER (UE)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
PINNA (PN)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
LN, POPLITEAL (PP)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
CAVITY, THORACIC (TA)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0

Incidence of Microscopic Observations

Week 8 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=2;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER-OF-ANIMALS-AFFECTED ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-5-	-1-	-5-
NUMBER:		5	5	5	5
SUBCUTANEOUS TIS (SQ)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
TONGUE (TO)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
LN, OTHER (LN)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
DIAPHRAGM (DP)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
BILE DUCT (BD)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0

** END OF LIST **

Incidence of Microscopic Observations

Week 14 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---							
	SEX:	-------MALE-------				------FEMALE------			
	GROUP:	-1-	-2-	-3-	-4-	-1-	-2-	-3-	-4-
ORGAN AND FINDING DESCRIPTION	NUMBER:	5	5	5	5	5	5	5	5
** TOP OF LIST **									
EYE (EY)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
BRAIN (BR)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
LIVER (LI)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	3	1	1	0	3	1	3	2
--HEMATOPOIESIS, EXTRAMEDULLARY		1	0	0	0	0	0	0	0
--HEMORRHAGE		1	0	0	0	1	0	0	0
--HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR		0	1	3	5	0	0	0	2
--INFLAMMATION, CHRONIC		1	1	3	0	1	4	2	2
--VACUOLATION, HEPATOCELLULAR		0	2	2	1	0	0	0	0
LIVER, OIL RED O (LI1)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
KIDNEY (KD)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	3	3	5	5	5	5	4	4
--CAST, PROTEINACEOUS		1	0	0	0	0	0	0	0
--CYST		0	0	0	0	0	0	0	1
--DEGENERATION, TUBULAR		0	1	0	0	0	0	0	0
--DILATATION, PELVIC		1	0	0	0	0	0	0	0

Incidence of Microscopic Observations

Week 14 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---							
SEX:		-------MALE-------				------FEMALE------			
GROUP:		-1-	-2-	-3-	-4-	-1-	-2-	-3-	-4-
NUMBER:		5	5	5	5	5	5	5	5
** FROM PREVIOUS PAGE **									
KIDNEY (KD)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	3	3	5	5	5	5	4	4
--HYPERPLASIA, TRANSITIONAL CELL		1	0	0	0	0	0	0	0
--INFLAMMATION, CHRONIC		0	1	0	0	0	0	0	0
--MINERALIZATION, TUBULAR		0	0	0	0	0	0	1	0
--PYELONEPHRITIS		1	0	0	0	0	0	0	0
SPLEEN (SP)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5
PANCREAS (PA)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	4	5	4	5	5	5	5	5
--FIBROSIS		1	0	0	0	0	0	0	0
--PIGMENT		1	0	1	0	0	0	0	0
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	3	2	4	4	5	5	5	4
--VACUOLATION		2	3	1	1	0	0	0	1
ADRENAL, MEDULLA (MA)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5

Incidence of Microscopic Observations

Week 14 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---							
	SEX:	-------MALE-------				------FEMALE------			
	GROUP:	-1-	-2-	-3-	-4-	-1-	-2-	-3-	-4-
ORGAN AND FINDING DESCRIPTION	NUMBER:	5	5	5	5	5	5	5	5
LN, MESENTERIC (MS)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	4	5	5	5	4	5
--HEMORRHAGE		0	0	1	0	0	0	1	0
--INFILTRATE, MACROPHAGE, PIGMENTED		0	0	0	0	0	0	1	0
OVARY (OV)	NUMBER EXAMINED:	0	0	0	0	5	5	5	5
	NOT REMARKABLE:	0	0	0	0	5	5	5	4
--HEMORRHAGE		0	0	0	0	0	0	0	1
TESTIS (TE)	NUMBER EXAMINED:	5	5	5	5	0	0	0	0
	NOT REMARKABLE:	5	5	4	5	0	0	0	0
--ATROPHY/DEGENERATION		0	0	1	0	0	0	0	0
BONE, FEMUR (FE)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
MARROW, FEMUR (FM)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
MARROW, STERNUM (SE)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---							
SEX:		-------MALE-------				------FEMALE------			
GROUP:		-1-	-2-	-3-	-4-	-1-	-2-	-3-	-4-
NUMBER:		5	5	5	5	5	5	5	5
BONE, STERNUM (SB)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
SPINAL CORD (SC)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
THYMUS (TH)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
LUNG (LU)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
HEART (HT)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
MUSCLE, SKELETAL (SM)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
NERVE, SCIATIC (SN)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---							
SEX:		-------MALE-------				------FEMALE------			
GROUP:		-1-	-2-	-3-	-4-	-1-	-2-	-3-	-4-
NUMBER:		5	5	5	5	5	5	5	5
TRACHEA (TR)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
ESOPHAGUS (ES)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
THYROID (TY)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
PARATHYROID (PT)	NUMBER EXAMINED:	1	0	0	0	0	0	0	0
	NOT REMARKABLE:	1	0	0	0	0	0	0	0
PITUITARY (PI)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
HARDERIAN GLAND (HG)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
SALIV GL, MANDIB (SG)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---							
SEX:		-------MALE-------				------FEMALE------			
GROUP:		-1-	-2-	-3-	-4-	-1-	-2-	-3-	-4-
NUMBER:		5	5	5	5	5	5	5	5
STOMACH, GL (ST)	NUMBER EXAMINED:	1	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
--EDEMA		1	0	0	0	0	0	0	0
STOMACH, NONGL (SU)	NUMBER EXAMINED:	1	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
--EDEMA		1	0	0	0	0	0	0	0
--EROSION		1	0	0	0	0	0	0	0
--HEMORRHAGE		1	0	0	0	0	0	0	0
DUODENUM (DU)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
JEJUNUM (JE)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
ILEUM (IL)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
CECUM (CE)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0

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TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---							
	SEX:	-------MALE-------				------FEMALE------			
	GROUP:	-1-	-2-	-3-	-4-	-1-	-2-	-3-	-4-
ORGAN AND FINDING DESCRIPTION	NUMBER:	5	5	5	5	5	5	5	5
COLON (CO)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
RECTUM (RE)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
SKIN (SK)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
MAMMARY, FEMALE (MF)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
URINARY BLADDER (UB)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
CERVIX (CV)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
UTERUS (UT)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0

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TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---							
SEX:		-------MALE-------				------FEMALE------			
GROUP:		-1-	-2-	-3-	-4-	-1-	-2-	-3-	-4-
NUMBER:		5	5	5	5	5	5	5	5
VAGINA (VA)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
PROSTATE (PR)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
SEMINAL VESICLES (SV)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
EPIDIDYMIDES (EP)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
CAUSE OF DEATH (CD)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
--SCHEDULED SACRIFICE		5	5	5	5	5	5	5	5
LN, MANDIBULAR (MN)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
LN, MEDIASTINAL (ML)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0

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TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---							
	SEX:	-------MALE-------				------FEMALE------			
	GROUP:	-1-	-2-	-3-	-4-	-1-	-2-	-3-	-4-
ORGAN AND FINDING DESCRIPTION	NUMBER:	5	5	5	5	5	5	5	5
CAVITY, ABDOM (PC)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
CAVITY, ORAL (OC)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
HEMATO NEOPLASIA (HN)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
MESENTERY (MY)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
LN, ANT MES/PANC (AP)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
LN, LUMBAR/ILIAC (LM)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
LN, RENAL (RL)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0

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TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---							
	SEX:	-------MALE-------				------FEMALE------			
	GROUP:	-1-	-2-	-3-	-4-	-1-	-2-	-3-	-4-
ORGAN AND FINDING DESCRIPTION	NUMBER:	5	5	5	5	5	5	5	5
MAMMARY, MALE (MM)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
LN, AXILLARY (AX)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
CALVARIUM/SKULL (CA)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
TAIL (TI)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
ANUS (AN)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
FOOT/FOOTPAD(S) (FP)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
LN, INGUINAL (IN)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0

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TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---							
SEX:		-------MALE-------				------FEMALE------			
GROUP:		-1-	-2-	-3-	-4-	-1-	-2-	-3-	-4-
NUMBER:		5	5	5	5	5	5	5	5
JOINT, OTHER (JT)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
ADIPOSE TISSUE (AT)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
AORTA (AO)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
PENIS (PE)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
PREPUTIAL GLAND (PG)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
AUDITORY SEB GL (AS)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
AORTIC ARCH (AA)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0

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TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---							
SEX:		-------MALE-------				------FEMALE------			
GROUP:		-1-	-2-	-3-	-4-	-1-	-2-	-3-	-4-
NUMBER:		5	5	5	5	5	5	5	5
LN, TRACHEOBRON (TB)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
URETER (UE)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
PINNA (PN)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
LN, POPLITEAL (PP)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
CAVITY, THORACIC (TA)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
SUBCUTANEOUS TIS (SQ)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
TONGUE (TO)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0

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TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---							
SEX:		-------MALE-------				------FEMALE------			
GROUP:		-1-	-2-	-3-	-4-	-1-	-2-	-3-	-4-
NUMBER:		5	5	5	5	5	5	5	5
LN, OTHER (LN)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
DIAPHRAGM (DP)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0
BILE DUCT (BD)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0

** END OF LIST **

Incidence of Microscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,4;WEEKS=ALL
DEATH=4;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
	SEX:	--MALE--		-FEMALE-	
	GROUP:	-1-	-4-	-1-	-4-
ORGAN AND FINDING DESCRIPTION	NUMBER:	5	10	5	10
** TOP OF LIST **					
EYE (EY)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
BRAIN (BR)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	8
--COMPRESSION, VENTRAL		0	0	0	2
LIVER (LI)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	2	0	4	2
--DEGENERATION, CYSTIC		0	0	0	1
--FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC		0	0	0	1
--HYPERPLASIA, BILE DUCT		0	0	0	1
--HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR		0	10	0	7
--INFLAMMATION, CHRONIC		3	1	1	1
--NECROSIS, HEPATOCELLULAR		0	1	0	2
--STASIS, BILE		0	1	0	2
--VACUOLATION, HEPATOCELLULAR		0	9	0	2
--B-ADENOMA, HEPATOCELLULAR		0	0	0	1
LIVER, OIL RED O (LI1)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
TABLE INCLUDES:					
SEX=ALL;GROUP=1,4;WEEKS=ALL	SEX:	--MALE--		-FEMALE-	
DEATH=4;FIND=ALL;SUBSET=ALL					
	GROUP:	-1-	-4-	-1-	-4-
ORGAN AND FINDING DESCRIPTION	NUMBER:	5	10	5	10
KIDNEY (KD)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	0	7	1	5
--CAST, PROTEINACEOUS		3	1	0	3
--INFLAMMATION, CHRONIC		0	0	2	0
--MINERALIZATION, PELVIC		1	1	2	2
--MINERALIZATION, TUBULAR		0	0	2	1
--NEPHROPATHY, CHRONIC PROGRESSIVE		2	1	0	0
SPLEEN (SP)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
PANCREAS (PA)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	4	8	5	10
--ATROPHY, ACINAR		1	0	0	0
--FIBROSIS		0	1	0	0
--INFLAMMATION, CHRONIC		0	1	0	0
--PIGMENT		0	1	0	0
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	3	9	0	8
--ANGIECTASIS		0	0	2	0
--DEGENERATION, CYSTIC, CORTICAL		1	0	0	2
--FIBROSIS		0	0	0	1
--HEMORRHAGE		1	0	4	0

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

			--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---		
TABLE INCLUDES:					
SEX=ALL;GROUP=1,4;WEEKS=ALL		SEX:	--MALE--		-FEMALE-
DEATH=4;FIND=ALL;SUBSET=ALL					
		GROUP:	-1-	-4-	-1- -4-
ORGAN AND FINDING DESCRIPTION		NUMBER:	5	10	5 10
** FROM PREVIOUS PAGE **					
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:		5	10	5 10
	NOT REMARKABLE:		3	9	0 8
--HYPERTROPHY, CORTICAL CELL			1	0	0 0
--ONE EXAMINED			0	0	1 0
--VACUOLATION			1	1	0 0
ADRENAL, MEDULLA (MA)	NUMBER EXAMINED:		5	10	5 10
	NOT REMARKABLE:		5	9	4 10
--HEMORRHAGE			0	1	0 0
--ONE EXAMINED			0	0	1 0
--B-PHEOCHROMOCYTOMA			0	1	0 0
LN, MESENTERIC (MS)	NUMBER EXAMINED:		5	10	5 10
	NOT REMARKABLE:		5	9	5 9
--HEMORRHAGE			0	1	0 1
--INFILTRATE, MACROPHAGE, PIGMENTED			0	1	0 0
OVARY (OV)	NUMBER EXAMINED:		0	0	5 10
	NOT REMARKABLE:		0	0	5 7
--CYST			0	0	0 2
--HEMORRHAGE			0	0	0 2

Incidence of Microscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,4;WEEKS=ALL
DEATH=4;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-4-	-1-	-4-
	NUMBER:	5	10	5	10
TESTIS (TE)	NUMBER EXAMINED:	5	10	0	0
	NOT REMARKABLE:	5	9	0	0
--ATROPHY/DEGENERATION		0	1	0	0
BONE, FEMUR (FE)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
MARROW, FEMUR (FM)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
MARROW, STERNUM (SE)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
BONE, STERNUM (SB)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
SPINAL CORD (SC)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10

Incidence of Microscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,4;WEEKS=ALL
DEATH=4;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-4-	-1-	-4-
NUMBER:		5	10	5	10
THYMUS (TH)	NUMBER EXAMINED:	5	9	5	10
	NOT REMARKABLE:	4	9	5	9
--FIBROSIS		0	0	0	1
--HEMORRHAGE		1	0	0	0
LUNG (LU)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	4	7	4	8
--HYPERPLASIA, MEDIAL, ARTERIAL/ARTERIOLAR		0	1	0	0
--INFILTRATE, MACROPHAGE, ALVEOLAR		1	1	1	2
--INFILTRATE, MACROPHAGE, PIGMENTED		0	0	0	1
--MINERALIZATION, VASCULAR		1	1	0	0
HEART (HT)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	9	5	10
--DEGENERATION/NECROSIS		0	1	0	0
MUSCLE, SKELETAL (SM)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
NERVE, SCIATIC (SN)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10

Incidence of Microscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,4;WEEKS=ALL
DEATH=4;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-4-	-1-	-4-
NUMBER:		5	10	5	10
TRACHEA (TR)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
ESOPHAGUS (ES)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
THYROID (TY)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	3	7	3	3
--CYST, FOLLICULAR		0	1	0	0
--CYST, ULTIMOBRANCHIAL		2	2	2	6
--B-ADENOMA, C-CELL		0	0	0	1
--B-ADENOMA, FOLLICULAR CELL		0	0	0	1
PARATHYROID (PT)	NUMBER EXAMINED:	5	10	5	9
	NOT REMARKABLE:	4	10	5	9
--HYPERPLASIA		1	0	0	0
PITUITARY (PI)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	3	4	3	5
--CYST		0	0	0	1
--HEMORRHAGE		0	2	0	1
--HYPERPLASIA		0	3	0	0
--B-ADENOMA		2	3	2	4

Incidence of Microscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
TABLE INCLUDES: SEX=ALL;GROUP=1,4;WEEKS=ALL DEATH=4;FIND=ALL;SUBSET=ALL	SEX:	--MALE--		-FEMALE-	
	GROUP:	-1-	-4-	-1-	-4-
ORGAN AND FINDING DESCRIPTION	NUMBER:	5	10	5	10
HARDERIAN GLAND (HG)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	9
--INFLAMMATION, CHRONIC		0	0	0	1
SALIV GL, MANDIB (SG)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
STOMACH, GL (ST)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	9	4	8
--EDEMA		0	0	1	0
--EROSION		0	1	0	2
STOMACH, NONGL (SU)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
DUODENUM (DU)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
JEJUNUM (JE)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10

Incidence of Microscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,4;WEEKS=ALL
DEATH=4;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER-OF-ANIMALS-AFFECTED ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-4-	-1-	-4-
NUMBER:		5	10	5	10
ILEUM (IL)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
CECUM (CE)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
COLON (CO)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	9	5	10
--PARASITISM		0	1	0	0
RECTUM (RE)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	9	4	10
--PARASITISM		0	1	1	0
SKIN (SK)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
MAMMARY, FEMALE (MF)	NUMBER EXAMINED:	0	0	5	10
	NOT REMARKABLE:	0	0	3	8
--GALACTOCELE		0	0	2	1
--B-FIBROADENOMA		0	0	1	0
--M-CARCINOMA		0	0	0	1

Incidence of Microscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
TABLE INCLUDES: SEX=ALL;GROUP=1,4;WEEKS=ALL; DEATH=4;FIND=ALL;SUBSET=ALL	SEX:	--MALE--		-FEMALE-	
	GROUP:	-1-	-4-	-1-	-4-
ORGAN AND FINDING DESCRIPTION	NUMBER:	5	10	5	10
URINARY BLADDER (UB)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
CERVIX (CV)	NUMBER EXAMINED:	0	0	5	10
	NOT REMARKABLE:	0	0	5	10
UTERUS (UT)	NUMBER EXAMINED:	0	0	5	10
	NOT REMARKABLE:	0	0	3	8
--DILATATION		0	0	2	1
--HYPERPLASIA, CYSTIC, ENDOMETRIAL		0	0	0	1
VAGINA (VA)	NUMBER EXAMINED:	0	0	5	10
	NOT REMARKABLE:	0	0	5	10
PROSTATE (PR)	NUMBER EXAMINED:	5	10	0	0
	NOT REMARKABLE:	3	10	0	0
--INFLAMMATION, CHRONIC		1	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		1	0	0	0
SEMINAL VESICLES (SV)	NUMBER EXAMINED:	5	10	0	0
	NOT REMARKABLE:	5	10	0	0

Incidence of Microscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,4;WEEKS=ALL
DEATH=4;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-4-	-1-	-4-
NUMBER:		5	10	5	10
EPIDIDYMIDES (EP)	NUMBER EXAMINED:	5	10	0	0
	NOT REMARKABLE:	5	10	0	0
CAUSE OF DEATH (CD)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	0	0	0	0
--SCHEDULED SACRIFICE		5	10	5	10
LN, MANDIBULAR (MN)	NUMBER EXAMINED:	1	1	1	0
	NOT REMARKABLE:	0	0	0	0
--HEMORRHAGE		1	1	1	0
LN, MEDIASTINAL (ML)	NUMBER EXAMINED:	0	0	0	2
	NOT REMARKABLE:	0	0	0	0
--HEMORRHAGE		0	0	0	2
--INFILTRATE, MACROPHAGE, PIGMENTED		0	0	0	2
CAVITY, ABDOM (PC)	NUMBER EXAMINED:	0	0	0	1
	NOT REMARKABLE:	0	0	0	0
--FIBROSIS		0	0	0	1
--NECROSIS, FAT		0	0	0	1

Incidence of Microscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,4;WEEKS=ALL
DEATH=4;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-4-	-1-	-4-
NUMBER:		5	10	5	10
CAVITY, ORAL (OC)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
HEMATO NEOPLASIA (HN)	NUMBER EXAMINED:	5	10	5	10
	NOT REMARKABLE:	5	10	5	10
MESENTERY (MY)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
LN, ANT MES/PANC (AP)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
LN, LUMBAR/ILIAC (LM)	NUMBER EXAMINED:	0	0	0	1
	NOT REMARKABLE:	0	0	0	1
LN, RENAL (RL)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
MAMMARY, MALE (MM)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0

Incidence of Microscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,4;WEEKS=ALL
DEATH=4;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER-OF-ANIMALS-AFFECTED ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-4-	-1-	-4-
NUMBER:		5	10	5	10
LN, AXILLARY (AX)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
CALVARIUM/SKULL (CA)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
TAIL (TI)	NUMBER EXAMINED:	0	0	0	1
	NOT REMARKABLE:	0	0	0	0
--CYST, EPIDERMAL INCLUSION		0	0	0	1
--INFLAMMATION, ACUTE		0	0	0	1
ANUS (AN)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
FOOT/FOOTPAD(S) (FP)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
LN, INGUINAL (IN)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0

Incidence of Microscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,4;WEEKS=ALL
DEATH=4;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
	SEX:	--MALE--		-FEMALE-	
	GROUP:	-1-	-4-	-1-	-4-
	NUMBER:	5	10	5	10
JOINT, OTHER (JT)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
ADIPOSE TISSUE (AT)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
AORTA (AO)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
PENIS (PE)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
PREPUTIAL GLAND (PG)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
AUDITORY SEB GL (AS)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
AORTIC ARCH (AA)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0

Incidence of Microscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,4;WEEKS=ALL
DEATH=4;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-4-	-1-	-4-
NUMBER:		5	10	5	10
LN, TRACHEOBRON (TB)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
URETER (UE)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
PINNA (PN)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
LN, POPLITEAL (PP)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
CAVITY, THORACIC (TA)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
SUBCUTANEOUS TIS (SQ)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
TONGUE (TO)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0

Incidence of Microscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,4;WEEKS=ALL
DEATH=4;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-4-	-1-	-4-
NUMBER:		5	10	5	10
LN, OTHER (LN)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
DIAPHRAGM (DP)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
BILE DUCT (BD)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0

** END OF LIST **

Incidence of Microscopic Observations

Terminal and Recovery Sacrifices

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL
DEATH=T,U;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
SEX:		----------MALE----------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
NUMBER:		14	22	22	17	10	13	13	15	20	12
** TOP OF LIST **											
EYE (EY)	NUMBER EXAMINED:	14	1	0	17	0	13	0	0	20	0
	NOT REMARKABLE:	12	0	0	16	0	11	0	0	17	0
--CATARACT		1	0	0	0	0	0	0	0	0	0
--HEMORRHAGE		0	0	0	0	0	0	0	0	1	0
--HYPERPLASIA, CORNEAL EPITHELIUM		1	0	0	0	0	0	0	0	1	0
--INFLAMMATION, ACUTE		0	0	0	0	0	1	0	0	0	0
--INFLAMMATION, ACUTE, CILIARY		0	1	0	0	0	0	0	0	1	0
--INFLAMMATION, ACUTE, CORNEAL		1	1	0	1	0	0	0	0	0	0
--MINERALIZATION, CORNEAL		1	0	0	0	0	0	0	0	0	0
--ULCERATION, CORNEAL		0	1	0	0	0	2	0	0	0	0
--VASCULARIZATION, CORNEAL		0	1	0	0	0	0	0	0	1	0
BRAIN (BR)	NUMBER EXAMINED:	14	4	3	17	4	13	6	8	20	6
	NOT REMARKABLE:	12	0	1	13	0	8	1	1	11	1
--COMPRESSION, VENTRAL		2	4	2	3	4	5	5	7	9	5
--DILATATION, VENTRICULAR		0	1	0	1	0	3	3	5	6	1
--B-GRANULAR CELL TUMOR		0	0	0	1	0	0	0	0	0	0
LIVER (LI)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	20	12
	NOT REMARKABLE:	4	3	1	1	2	6	2	7	3	5
--CYST		1	0	0	0	0	0	0	0	1	0
--CYST, BILIARY		0	0	0	0	0	0	1	0	0	0
--DEGENERATION, CYSTIC		3	5	12	12	1	0	2	0	1	1
--FIBROSIS		0	0	1	0	1	0	0	0	0	1
--FIBROSIS, CAPSULAR		0	0	0	0	0	1	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL
DEATH=T,U;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
SEX:		----------MALE---------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
NUMBER:		14	22	22	17	10	13	13	15	20	12
** FROM PREVIOUS PAGE **											
LIVER (LI)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	20	12
	NOT REMARKABLE:	4	3	1	1	2	6	2	7	3	5
--FOCUS, ALTERED HEPATOCELLULAR, CLEAR CELL		1	1	1	0	0	0	0	1	0	0
--FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC		3	10	11	5	1	0	4	2	5	1
--FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC		0	0	2	1	0	0	2	1	1	0
--HEMORRHAGE		0	2	1	1	2	1	1	1	0	1
--HYPERPLASIA, BILE DUCT		4	7	6	4	1	1	1	3	7	1
--HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR		0	0	0	5	0	0	0	0	5	0
--INFLAMMATION, ACUTE		0	0	0	0	1	0	0	0	0	0
--INFLAMMATION, CHRONIC		4	13	12	8	3	1	2	2	8	1
--LIPIDOSIS, SUBCAPSULAR (TENSION LIPIDOSIS)		0	2	0	1	0	0	1	0	0	2
--NECROSIS, HEPATOCELLULAR		0	1	2	0	1	1	0	1	0	1
--PIGMENT		0	1	1	1	1	0	0	0	1	0
--TELANGIECTASIS		2	6	2	0	0	1	2	0	4	4
--THROMBUS		0	1	0	0	0	0	0	0	1	0
--VACUOLATION, HEPATOCELLULAR		4	8	9	13	1	4	6	2	13	2
--B-ADENOMA, HEPATOCELLULAR		1	2	1	3	0	0	1	1	4	2
--M-CARCINOMA, HEPATOCELLULAR		0	0	0	0	0	0	0	0	1	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0	0	0	0	0	0	0	0	0
LIVER, OIL RED O (LI1)	NUMBER EXAMINED:	5	0	0	5	0	5	0	0	5	0
	NOT REMARKABLE:	1	0	0	1	0	0	0	0	0	0
--POSITIVE OIL RED O STAINING		4	0	0	4	0	5	0	0	5	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
TABLE INCLUDES: SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL DEATH=T,U;FIND=ALL;SUBSET=ALL	SEX:	----------MALE---------					---------FEMALE--------				
	GROUP:	-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
ORGAN AND FINDING DESCRIPTION	NUMBER:	14	22	22	17	10	13	13	15	20	12
KIDNEY (KD)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	20	12
	NOT REMARKABLE:	0	0	1	6	0	0	1	3	4	1
--BACTERIAL COLONIES		0	0	0	0	0	0	0	0	0	1
--CAST, PROTEINACEOUS		2	7	5	2	3	5	8	3	6	4
--CYST		1	4	3	0	0	0	0	0	2	0
--DILATATION, PELVIC		0	1	4	1	2	1	0	0	0	1
--INFARCT		0	2	1	0	1	0	0	0	0	0
--INFLAMMATION, ACUTE		1	1	0	0	0	0	0	0	0	0
--INFLAMMATION, CHRONIC		0	0	0	1	0	0	0	0	0	0
--MINERALIZATION		1	0	0	0	0	0	0	0	0	0
--MINERALIZATION, PELVIC		1	2	4	1	0	12	10	10	13	8
--MINERALIZATION, TUBULAR		0	0	0	0	0	0	0	0	0	1
--NEPHROPATHY, CHRONIC PROGRESSIVE		12	14	15	8	7	2	0	1	4	3
--PYELONEPHRITIS		0	1	0	0	0	1	0	0	1	1
--THROMBUS		1	0	0	0	0	0	0	0	0	0
--M-LIPOSARCOMA		0	0	0	0	1	0	0	0	0	0
SPLEEN (SP)	NUMBER EXAMINED:	14	1	0	17	0	13	0	0	20	0
	NOT REMARKABLE:	13	1	0	17	0	12	0	0	20	0
--PIGMENT, INCREASED		0	0	0	0	0	1	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0	0	0	0	0	0	0	0	0
PANCREAS (PA)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	20	12
	NOT REMARKABLE:	5	8	14	8	3	10	8	12	18	9
--ATROPHY, ACINAR		6	7	6	7	5	1	3	2	2	3

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL
DEATH=T,U;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
SEX:		----------MALE---------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
NUMBER:		14	22	22	17	10	13	13	15	20	12
** FROM PREVIOUS PAGE **											
PANCREAS (PA)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	20	12
	NOT REMARKABLE:	5	8	14	8	3	10	8	12	18	9
--CYST		0	1	0	0	0	0	0	0	0	0
--HEMORRHAGE		2	1	0	0	0	1	1	0	0	0
--HYPERPLASIA, ACINAR		1	2	0	0	0	1	0	0	0	0
--HYPERTROPHY, VASCULAR		2	0	0	0	1	0	0	0	0	0
--INFILTRATE, EOSINOPHILS		1	0	0	0	0	0	0	0	0	0
--INFLAMMATION, CHRONIC		2	0	0	0	0	0	0	0	0	0
--INFLAMMATION, VASCULAR		2	2	0	0	1	0	0	0	0	0
--PIGMENT		0	2	2	2	2	0	0	0	0	0
--B-ADENOMA, ISLET CELL		1	5	2	3	1	1	4	1	1	0
--M-CARCINOMA, ISLET CELL		0	0	1	0	0	0	0	0	0	0
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	14	2	3	17	0	13	4	4	20	2
	NOT REMARKABLE:	2	0	2	10	0	0	0	0	3	0
--ADRENAL TISSUE, ECTOPIC		0	0	0	1	0	0	0	0	0	0
--ANGIECTASIS		4	1	0	1	0	7	2	1	9	1
--ATROPHY, CORTICAL		0	0	0	0	0	0	0	0	1	1
--CYST		0	0	0	0	0	0	1	0	0	0
--DEGENERATION, CYSTIC, CORTICAL		3	1	1	1	0	6	2	3	7	1
--HEMORRHAGE		6	2	0	1	0	13	4	4	16	2
--HYPERPLASIA, CORTICAL		3	0	0	1	0	0	0	0	2	0
--HYPERTROPHY, CORTICAL CELL		2	0	0	0	0	0	0	0	0	0
--MINERALIZATION		1	0	0	0	0	1	0	0	1	1
--NECROSIS, CORTICAL		0	0	0	0	0	0	0	0	0	1
--PIGMENT		0	1	0	0	0	4	1	0	1	1

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL
DEATH=T,U;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
SEX:		----------MALE---------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
NUMBER:		14	22	22	17	10	13	13	15	20	12
** FROM PREVIOUS PAGE **											
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	14	2	3	17	0	13	4	4	20	2
	NOT REMARKABLE:	2	0	2	10	0	0	0	0	3	0
--THROMBUS		2	1	0	0	0	4	3	0	3	1
--VACUOLATION		10	1	0	6	0	1	0	1	1	0
--B-ADENOMA		0	0	0	0	0	0	0	1	0	0
--M-CARCINOMA		0	0	0	0	0	0	0	0	0	1
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0	0	0	0	0	0	0	0	0
ADRENAL, MEDULLA (MA)	NUMBER EXAMINED:	14	1	3	17	1	13	3	4	20	2
	NOT REMARKABLE:	14	0	0	16	0	13	2	4	18	1
--NECROSIS		0	0	1	0	0	0	0	0	0	0
--ONE EXAMINED		0	0	0	0	0	0	0	0	0	1
--B-PHEOCHROMOCYTOMA		0	1	2	1	0	0	0	0	2	0
--M-MALIGNANT PHEOCHROMOCYTOMA		0	0	1	0	1	0	1	0	0	0
LN, MESENTERIC (MS)	NUMBER EXAMINED:	14	1	2	17	0	13	0	3	20	0
	NOT REMARKABLE:	10	0	1	15	0	9	0	2	19	0
--DILATATION, SINUSOIDAL		1	0	0	1	0	0	0	1	0	0
--EDEMA		0	0	0	0	0	1	0	0	0	0
--HEMORRHAGE		0	1	1	1	0	1	0	1	1	0
--INFILTRATE, MACROPHAGE, PIGMENTED		0	1	1	0	0	2	0	0	1	0
--NECROSIS		1	0	0	0	0	0	0	0	0	0
--THROMBUS		1	0	0	0	0	0	0	0	0	0
--M-HEMANGIOSARCOMA		1	1	0	0	0	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0	0	1	0	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL
DEATH=T,U;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
SEX:		----------MALE---------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
NUMBER:		14	22	22	17	10	13	13	15	20	12
OVARY (OV)	NUMBER EXAMINED:	0	0	0	0	0	13	5	4	20	4
	NOT REMARKABLE:	0	0	0	0	0	11	0	2	9	1
--CYST		0	0	0	0	0	2	5	2	8	3
--HEMORRHAGE		0	0	0	0	0	0	1	0	1	0
--MINERALIZATION		0	0	0	0	0	0	0	0	2	0
--ONE EXAMINED		0	0	0	0	0	0	0	0	0	1
--PIGMENTED		0	0	0	0	0	0	0	0	2	0
--THROMBUS		0	0	0	0	0	0	0	0	2	0
--B-GRANULOSA/THECA CELL TUMOR		0	0	0	0	0	0	0	0	1	0
TESTIS (TE)	NUMBER EXAMINED:	14	22	22	17	10	0	0	0	0	0
	NOT REMARKABLE:	12	16	18	10	9	0	0	0	0	0
--ATROPHY/DEGENERATION		1	3	3	3	0	0	0	0	0	0
--HEMORRHAGE		0	0	1	1	0	0	0	0	0	0
--INFLAMMATION, CHRONIC		1	3	1	0	0	0	0	0	0	0
--MINERALIZATION		0	1	1	2	0	0	0	0	0	0
--MINERALIZATION, VASCULAR		0	0	0	2	1	0	0	0	0	0
--B-INTERSTITIAL CELL TUMOR		1	1	3	1	0	0	0	0	0	0
BONE, FEMUR (FE)	NUMBER EXAMINED:	14	0	0	17	0	13	0	0	20	0
	NOT REMARKABLE:	14	0	0	17	0	13	0	0	20	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL
DEATH=T,U;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
SEX:		----------MALE---------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
NUMBER:		14	22	22	17	10	13	13	15	20	12
MARROW, FEMUR (FM)	NUMBER EXAMINED:	14	0	0	17	0	13	0	0	20	0
	NOT REMARKABLE:	14	0	0	17	0	12	0	0	20	0
--HEMORRHAGE		0	0	0	0	0	1	0	0	0	0
MARROW, STERNUM (SE)	NUMBER EXAMINED:	14	0	0	17	0	13	0	0	20	0
	NOT REMARKABLE:	14	0	0	17	0	13	0	0	20	0
BONE, STERNUM (SB)	NUMBER EXAMINED:	14	0	0	17	0	13	0	0	20	0
	NOT REMARKABLE:	14	0	0	17	0	12	0	0	17	0
--HYPERPLASIA, CARTILAGE		0	0	0	0	0	1	0	0	3	0
SPINAL CORD (SC)	NUMBER EXAMINED:	14	0	0	17	0	13	0	0	20	0
	NOT REMARKABLE:	14	0	0	17	0	13	0	0	20	0
THYMUS (TH)	NUMBER EXAMINED:	14	0	0	17	0	13	0	0	20	0
	NOT REMARKABLE:	12	0	0	17	0	11	0	0	7	0
--CYST		2	0	0	0	0	2	0	0	12	0
--M-THYMIC CARCINOMA		0	0	0	0	0	0	0	0	1	0
LUNG (LU)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	20	12
	NOT REMARKABLE:	10	14	11	11	4	9	6	10	12	5
--FIBROSIS, PLEURAL/SUBPLEURAL		1	0	2	0	2	1	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL
DEATH=T,U;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
SEX:		----------MALE---------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
NUMBER:		14	22	22	17	10	13	13	15	20	12
** FROM PREVIOUS PAGE **											
LUNG (LU)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	20	12
	NOT REMARKABLE:	10	14	11	11	4	9	6	10	12	5
--HEMORRHAGE		1	0	0	0	0	0	0	0	0	1
--HYPERPLASIA, TYPE II PNEUMOCYTE		0	0	0	2	0	0	2	0	0	1
--INFLAMMATION, CHRONIC		2	0	2	0	0	2	0	0	0	3
--INFILTRATE, MACROPHAGE, ALVEOLAR		3	1	1	1	3	2	2	1	5	3
--MINERALIZATION		0	1	0	1	1	0	0	0	0	1
--MINERALIZATION, VASCULAR		0	7	7	3	4	0	4	4	4	2
--NECROSIS		0	0	0	0	0	0	0	0	0	1
--N-ADRENAL CORTICAL CARCINOMA		0	0	0	0	0	0	0	0	0	1
--N-MALIGNANT PHEOCHROMOCYTOMA		0	0	0	0	0	0	1	0	0	0
HEART (HT)	NUMBER EXAMINED:	14	1	0	17	0	13	0	0	20	0
	NOT REMARKABLE:	9	0	0	15	0	11	0	0	20	0
--DEGENERATION/NECROSIS		4	1	0	2	0	2	0	0	0	0
--FIBROSIS		4	1	0	0	0	2	0	0	0	0
MUSCLE, SKELETAL (SM)	NUMBER EXAMINED:	14	1	0	17	0	13	0	0	20	0
	NOT REMARKABLE:	14	0	0	17	0	13	0	0	20	0
--DEGENERATION/NECROSIS		0	1	0	0	0	0	0	0	0	0
NERVE, SCIATIC (SN)	NUMBER EXAMINED:	14	0	0	17	0	13	0	0	20	0
	NOT REMARKABLE:	14	0	0	17	0	13	0	0	20	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL
DEATH=T,U;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
SEX:		----------MALE---------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
NUMBER:		14	22	22	17	10	13	13	15	20	12
TRACHEA (TR)	NUMBER EXAMINED:	14	0	0	17	0	13	0	0	20	0
	NOT REMARKABLE:	14	0	0	17	0	13	0	0	20	0
ESOPHAGUS (ES)	NUMBER EXAMINED:	14	0	0	17	0	13	0	0	20	0
	NOT REMARKABLE:	14	0	0	17	0	13	0	0	20	0
THYROID (TY)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	20	12
	NOT REMARKABLE:	6	8	9	4	2	7	6	8	8	3
--CYST, FOLLICULAR		1	1	3	4	2	1	1	0	2	1
--CYST, ULTIMOBRANCHIAL		2	8	5	4	2	3	2	1	5	7
--HEMORRHAGE		0	1	0	1	0	2	3	0	1	1
--HYPERPLASIA, C-CELL		3	1	2	0	2	0	0	0	2	1
--HYPERPLASIA, FOLLICULAR CELL		0	0	0	2	0	0	0	0	0	1
--INFLAMMATION, GRANULOMATOUS		0	1	0	0	0	0	0	0	0	0
--MINERALIZATION		0	0	0	1	0	0	0	0	0	0
--NECROSIS		0	0	1	0	0	0	0	0	0	0
--ONE EXAMINED		0	0	0	0	0	0	0	0	1	0
--PIGMENT		1	0	0	0	0	0	0	0	0	0
--B-ADENOMA, C-CELL		3	6	6	6	3	3	4	4	4	5
--B-ADENOMA, FOLLICULAR CELL		0	2	1	3	1	0	0	2	1	0
--M-CARCINOMA, C-CELL		0	0	1	0	0	0	0	0	0	0
--M-CARCINOMA, FOLLICULAR CELL		0	0	1	0	0	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL
DEATH=T,U;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
SEX:		----------MALE---------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
NUMBER:		14	22	22	17	10	13	13	15	20	12
PARATHYROID (PT)	NUMBER EXAMINED:	14	2	0	15	0	13	0	0	20	0
	NOT REMARKABLE:	12	1	0	15	0	12	0	0	20	0
--HYPERPLASIA		2	1	0	0	0	0	0	0	0	0
--B-ADENOMA		0	0	0	0	0	1	0	0	0	0
PITUITARY (PI)	NUMBER EXAMINED:	14	5	10	17	6	13	11	14	20	10
	NOT REMARKABLE:	1	0	0	2	0	1	0	0	5	0
--CYST		1	0	2	1	0	0	0	1	3	1
--HEMORRHAGE		6	3	5	7	6	8	8	8	12	7
--HYPERPLASIA		1	0	0	0	0	0	0	0	0	0
--PIGMENT		0	0	0	0	0	2	2	1	2	1
--B-ADENOMA		12	5	10	15	6	12	11	14	15	10
HARDERIAN GLAND (HG)	NUMBER EXAMINED:	14	0	0	17	0	13	0	0	20	0
	NOT REMARKABLE:	13	0	0	13	0	11	0	0	18	0
--HEMORRHAGE		0	0	0	0	0	1	0	0	0	0
--INFLAMMATION, CHRONIC		0	0	0	4	0	2	0	0	2	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0	0	0	0	0	0	0	0	0
SALIV GL, MANDIB (SG)	NUMBER EXAMINED:	14	0	0	17	0	13	0	0	20	0
	NOT REMARKABLE:	14	0	0	17	0	13	0	0	20	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL
DEATH=T,U;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
SEX:		----------MALE---------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
NUMBER:		14	22	22	17	10	13	13	15	20	12
STOMACH, GL (ST)	NUMBER EXAMINED:	14	3	1	17	1	13	0	0	20	5
	NOT REMARKABLE:	12	1	0	15	0	12	0	0	19	5
--EDEMA		1	2	1	2	1	1	0	0	0	0
--EROSION		0	0	1	1	1	0	0	0	1	0
--FIBROSIS		0	0	1	0	0	0	0	0	0	0
--MINERALIZATION		1	1	0	0	0	0	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		0	0	1	0	0	0	0	0	0	0
STOMACH, NONGL (SU)	NUMBER EXAMINED:	14	1	1	17	0	13	0	0	20	0
	NOT REMARKABLE:	14	0	0	17	0	12	0	0	20	0
--EDEMA		0	1	1	0	0	1	0	0	0	0
--EROSION		0	0	1	0	0	1	0	0	0	0
--INFLAMMATION, ACUTE		0	1	0	0	0	0	0	0	0	0
--ULCERATION		0	1	0	0	0	0	0	0	0	0
DUODENUM (DU)	NUMBER EXAMINED:	14	0	0	17	0	13	0	0	20	0
	NOT REMARKABLE:	14	0	0	17	0	13	0	0	20	0
JEJUNUM (JE)	NUMBER EXAMINED:	14	0	0	17	0	13	1	0	20	0
	NOT REMARKABLE:	14	0	0	17	0	13	0	0	20	0
--HYPERPLASIA, GALT (GUT ASSOCIATED LYMPHOID TISSUE)		0	0	0	0	0	0	1	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL
DEATH=T,U;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
SEX:		----------MALE---------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
NUMBER:		14	22	22	17	10	13	13	15	20	12
ILEUM (IL)	NUMBER EXAMINED:	14	0	0	17	0	13	1	0	20	0
	NOT REMARKABLE:	14	0	0	17	0	13	0	0	20	0
--HYPERPLASIA, GALT (GUT ASSOCIATED LYMPHOID TISSUE)		0	0	0	0	0	0	1	0	0	0
CECUM (CE)	NUMBER EXAMINED:	14	0	1	17	0	13	0	0	20	0
	NOT REMARKABLE:	14	0	1	17	0	12	0	0	20	0
--HEMORRHAGE		0	0	0	0	0	1	0	0	0	0
COLON (CO)	NUMBER EXAMINED:	14	0	0	17	0	13	0	0	20	0
	NOT REMARKABLE:	14	0	0	17	0	13	0	0	20	0
RECTUM (RE)	NUMBER EXAMINED:	14	0	0	16	0	13	0	0	20	0
	NOT REMARKABLE:	11	0	0	12	0	13	0	0	18	0
--PARASITISM		3	0	0	4	0	0	0	0	2	0
SKIN (SK)	NUMBER EXAMINED:	14	7	5	17	2	12	2	1	20	0
	NOT REMARKABLE:	12	1	0	13	0	10	1	1	17	0
--ACUTE INFLAMMATORY EXUDATE		0	0	0	0	1	0	0	0	0	0
--CYST, EPIDERMAL INCLUSION		1	0	1	0	0	0	0	0	0	0
--FIBROSIS		0	0	0	0	0	0	0	0	1	0
--HEMORRHAGE		1	0	1	1	1	0	0	0	1	0
--INFLAMMATION, ACUTE		0	2	2	0	0	1	1	0	2	0
--INFLAMMATION, CHRONIC		0	0	0	0	1	0	0	0	0	0

Incidence of Microscopic Observations

Terminal and Recovery Sacrifices

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
TABLE INCLUDES: SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL DEATH=T,U;FIND=ALL;SUBSET=ALL	SEX:	----------MALE---------					---------FEMALE--------				
	GROUP:	-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
ORGAN AND FINDING DESCRIPTION	NUMBER:	14	22	22	17	10	13	13	15	20	12
** FROM PREVIOUS PAGE **											
SKIN (SK)	NUMBER EXAMINED:	14	7	5	17	2	12	2	1	20	0
	NOT REMARKABLE:	12	1	0	13	0	10	1	1	17	0
--INFLAMMATION, CHRONIC-ACTIVE		0	0	0	0	0	1	0	0	1	0
--ULCERATION		0	2	2	0	2	1	1	0	3	0
--B-FIBROMA		1	1	1	0	0	0	0	0	0	0
--B-KERATOACANTHOMA		0	1	4	1	0	0	0	0	0	0
--B-LIPOMA		0	1	0	2	0	0	0	0	0	0
--B-PAPILLOMA, SQUAMOUS CELL		0	2	0	1	0	0	0	0	0	0
--M-CARCINOMA, SQUAMOUS CELL		0	1	0	0	0	0	0	0	0	0
--M-SEBACEOUS GLAND CARCINOMA		0	0	0	0	0	0	1	0	0	0
MAMMARY, FEMALE (MF)	NUMBER EXAMINED:	0	0	0	0	0	12	13	15	20	12
	NOT REMARKABLE:	0	0	0	0	0	1	2	3	7	1
--GALACTOCELE		0	0	0	0	0	8	7	10	11	11
--HEMORRHAGE		0	0	0	0	0	1	1	2	1	1
--HYPERPLASIA, GLANDULAR		0	0	0	0	0	0	0	2	2	0
--MINERALIZATION		0	0	0	0	0	1	1	0	1	1
--NECROSIS		0	0	0	0	0	1	0	1	0	0
--PIGMENT		0	0	0	0	0	0	1	1	0	1
--B-ADENOMA		0	0	0	0	0	4	1	4	1	0
--B-FIBROADENOMA		0	0	0	0	0	8	8	5	7	4
--M-CARCINOMA		0	0	0	0	0	1	2	5	3	2

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL
DEATH=T,U;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
SEX:		----------MALE---------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
NUMBER:		14	22	22	17	10	13	13	15	20	12
URINARY BLADDER (UB)	NUMBER EXAMINED:	14	22	22	17	10	13	13	14	20	12
	NOT REMARKABLE:	13	10	12	16	7	11	13	14	20	10
--CALCULUS		0	10	8	0	3	0	0	0	0	0
--DESQUAMATION, TRANSITIONAL EPITHELIUM		0	0	1	0	0	0	0	0	0	0
--EDEMA		0	0	1	0	0	0	0	0	0	0
--HYPERPLASIA, TRANSITIONAL CELL		0	1	1	0	0	0	0	0	0	1
--INFLAMMATION, CHRONIC		0	1	1	1	0	0	0	0	0	2
--INFLAMMATION, CHRONIC-ACTIVE		0	1	1	0	0	0	0	0	0	0
--B-PAPILLOMA, TRANSITIONAL CELL		1	0	0	0	0	0	0	0	0	0
--B-LEIOMYOMA		0	0	0	0	0	1	0	0	0	0
--M-CARCINOMA, TRANSITIONAL CELL		0	0	0	0	0	1	0	0	0	0
CERVIX (CV)	NUMBER EXAMINED:	0	0	0	0	0	13	2	1	20	2
	NOT REMARKABLE:	0	0	0	0	0	11	0	0	18	0
--CYST		0	0	0	0	0	1	0	0	0	0
--DILATATION		0	0	0	0	0	0	0	0	1	0
--HYPERTROPHY, SMOOTH MUSCLE		0	0	0	0	0	0	1	1	0	0
--PIGMENT		0	0	0	0	0	1	0	0	0	0
--B-LEIOMYOMA		0	0	0	0	0	0	0	0	1	1
--B-POLYP, ENDOMETRIAL STROMAL		0	0	0	0	0	0	1	0	1	0
--M-LEIOMYOSARCOMA		0	0	0	0	0	0	0	0	0	1
UTERUS (UT)	NUMBER EXAMINED:	0	0	0	0	0	13	4	5	20	4
	NOT REMARKABLE:	0	0	0	0	0	4	0	0	9	0
--CYST, KERATIN		0	0	0	0	0	0	0	0	1	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL
DEATH=T,U;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
SEX:		----------MALE---------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
NUMBER:		14	22	22	17	10	13	13	15	20	12
** FROM PREVIOUS PAGE **											
UTERUS (UT)	NUMBER EXAMINED:	0	0	0	0	0	13	4	5	20	4
	NOT REMARKABLE:	0	0	0	0	0	4	0	0	9	0
--DILATATION		0	0	0	0	0	7	3	4	6	2
--HEMORRHAGE		0	0	0	0	0	0	0	1	0	0
--HYPERPLASIA, CYSTIC, ENDOMETRIAL		0	0	0	0	0	3	1	0	4	3
--HYPERPLASIA, ENDOMETRIAL		0	0	0	0	0	1	0	0	1	0
--INFLAMMATION, CHRONIC		0	0	0	0	0	2	0	0	0	0
--PIGMENT		0	0	0	0	0	1	0	0	0	0
--B-LEIOMYOMA		0	0	0	0	0	1	0	0	0	0
--B-POLYP, ENDOMETRIAL, STROMAL		0	0	0	0	0	1	2	1	2	0
--M-CARCINOMA		0	0	0	0	0	0	0	1	0	0
--M-LEIOMYOSARCOMA		0	0	0	0	0	0	0	0	1	0
VAGINA (VA)	NUMBER EXAMINED:	0	0	0	0	0	13	0	1	19	1
	NOT REMARKABLE:	0	0	0	0	0	12	0	1	19	0
--B-LEIOMYOMA		0	0	0	0	0	1	0	0	0	0
--I-LEIOMYOSARCOMA		0	0	0	0	0	0	0	0	0	1
PROSTATE (PR)	NUMBER EXAMINED:	14	3	5	17	1	0	0	0	0	0
	NOT REMARKABLE:	2	0	0	6	0	0	0	0	0	0
--INFLAMMATION, ACUTE		2	1	2	2	0	0	0	0	0	0
--INFLAMMATION, CHRONIC		2	0	1	1	1	0	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		7	1	2	8	0	0	0	0	0	0
--MINERALIZATION, LUMINAL		0	1	0	2	0	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0	0	0	0	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
TABLE INCLUDES: SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL DEATH=T,U;FIND=ALL;SUBSET=ALL	SEX:	----------MALE---------					---------FEMALE--------				
	GROUP:	-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
ORGAN AND FINDING DESCRIPTION	NUMBER:	14	22	22	17	10	13	13	15	20	12
SEMINAL VESICLES (SV)	NUMBER EXAMINED:	14	0	0	17	0	0	0	0	0	0
	NOT REMARKABLE:	12	0	0	16	0	0	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		0	0	0	1	0	0	0	0	0	0
--SECRETION, INCREASED		1	0	0	0	0	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0	0	0	0	0	0	0	0	0
EPIDIDYMIDES (EP)	NUMBER EXAMINED:	14	0	0	17	0	0	0	0	0	0
	NOT REMARKABLE:	12	0	0	15	0	0	0	0	0	0
--HYPOSPERMIA		1	0	0	2	0	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0	0	0	0	0	0	0	0	0
CAUSE OF DEATH (CD)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	20	12
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
--SCHEDULED SACRIFICE		14	22	22	17	10	13	13	15	19	12
--PITUITARY ADENOMA		0	0	0	0	0	0	0	0	1	0
LN, MANDIBULAR (MN)	NUMBER EXAMINED:	3	7	3	2	2	4	3	4	2	5
	NOT REMARKABLE:	0	2	0	0	0	2	0	0	0	0
--DILATATION, SINUSOIDAL		0	1	0	1	2	0	0	1	0	2
--HEMORRHAGE		2	5	3	1	1	2	2	4	2	5
--HYPERPLASIA, LYMPHOCYTIC		0	0	0	1	1	0	1	0	0	0
--INFILTRATE, MACROPHAGE, PIGMENTED		0	0	0	0	0	0	1	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0	0	0	0	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL
DEATH=T,U;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
SEX:		----------MALE---------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
NUMBER:		14	22	22	17	10	13	13	15	20	12
LN, MEDIASTINAL (ML)	NUMBER EXAMINED:	2	1	1	2	0	1	0	0	2	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
--DILATATION, SINUSOIDAL		1	1	1	2	0	0	0	0	0	0
--HEMORRHAGE		1	0	0	0	0	1	0	0	1	0
--INFILTRATE, MACROPHAGE, PIGMENTED		0	0	0	0	0	0	0	0	1	0
CAVITY, ABDOM (PC)	NUMBER EXAMINED:	0	0	0	0	0	0	0	1	0	1
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
--NECROSIS, FAT		0	0	0	0	0	0	0	1	0	1
CAVITY, ORAL (OC)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
HEMATO NEOPLASIA (HN)	NUMBER EXAMINED:	14	0	0	17	0	13	0	0	20	0
	NOT REMARKABLE:	13	0	0	16	0	13	0	0	20	0
--M-LYMPHOMA		1	0	0	1	0	0	0	0	0	0
MESENTERY (MY)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL
DEATH=T,U;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
SEX:		----------MALE---------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
NUMBER:		14	22	22	17	10	13	13	15	20	12
LN, ANT MES/PANC (AP)	NUMBER EXAMINED:	0	1	1	0	0	0	1	0	1	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
--DILATATION, SINUSOIDAL		0	0	1	0	0	0	0	0	0	0
--HEMORRHAGE		0	1	1	0	0	0	1	0	0	0
--INFILTRATE, MACROPHAGE, PIGMENTED		0	0	0	0	0	0	0	0	1	0
--N-ISLET CELL CARCINOMA		0	0	1	0	0	0	0	0	0	0
LN, LUMBAR/ILIAC (LM)	NUMBER EXAMINED:	2	4	3	0	0	3	4	3	2	2
	NOT REMARKABLE:	0	0	0	0	0	2	4	2	2	1
--DILATATION, SINUSOIDAL		2	4	2	0	0	1	0	0	0	0
--HEMORRHAGE		0	0	1	0	0	0	0	1	0	1
--HYPERPLASIA, LYMPHOCYTIC		0	0	1	0	0	1	0	0	0	0
LN, RENAL (RL)	NUMBER EXAMINED:	0	0	1	0	0	1	1	0	1	1
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
--HEMORRHAGE		0	0	1	0	0	1	1	0	1	1
MAMMARY, MALE (MM)	NUMBER EXAMINED:	3	1	0	3	1	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
--GALACTOCELE		0	1	0	1	1	0	0	0	0	0
--MINERALIZATION		0	0	0	0	1	0	0	0	0	0
--NECROSIS		1	0	0	0	0	0	0	0	0	0
--PIGMENT		1	0	0	1	0	0	0	0	0	0
--B-ADENOMA		0	0	0	1	0	0	0	0	0	0

Incidence of Microscopic Observations

Terminal and Recovery Sacrifices

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
TABLE INCLUDES: SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL DEATH=T,U;FIND=ALL;SUBSET=ALL	SEX:	----------MALE---------					---------FEMALE--------				
	GROUP:	-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
ORGAN AND FINDING DESCRIPTION	NUMBER:	14	22	22	17	10	13	13	15	20	12
** FROM PREVIOUS PAGE **											
MAMMARY, MALE (MM)	NUMBER EXAMINED:	3	1	0	3	1	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
--B-FIBROADENOMA		2	0	0	0	0	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0	0	0	0	0	0	0	0	0
LN, AXILLARY (AX)	NUMBER EXAMINED:	0	3	0	3	0	3	4	6	6	3
	NOT REMARKABLE:	0	2	0	2	0	1	3	3	2	3
--DILATATION, SINUSOIDAL		0	0	0	0	0	0	1	1	0	0
--EDEMA		0	0	0	0	0	0	0	1	0	0
--HEMORRHAGE		0	0	0	1	0	1	0	2	2	0
--HYPERPLASIA, LYMPHOCYTIC		0	1	0	0	0	1	0	0	1	0
--INFILTRATE, MACROPHAGE, PIGMENTED		0	0	0	0	0	0	0	0	2	0
CALVARIUM/SKULL (CA)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
TAIL (TI)	NUMBER EXAMINED:	0	1	0	1	0	0	0	0	0	1
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
--EROSION		0	1	0	0	0	0	0	0	0	1
--EXOSTOSES		0	0	0	1	0	0	0	0	0	0
--INFLAMMATION, ACUTE		0	1	0	0	0	0	0	0	0	1

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL
DEATH=T,U;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
SEX:		----------MALE---------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
NUMBER:		14	22	22	17	10	13	13	15	20	12
ANUS (AN)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
FOOT/FOOTPAD(S) (FP)	NUMBER EXAMINED:	2	5	6	2	4	3	0	0	1	2
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
--EDEMA		1	2	6	0	0	1	0	0	0	0
--EROSION		2	5	6	2	3	3	0	0	1	2
--EXOSTOSES		1	4	2	1	2	1	0	0	0	0
--FIBROSIS		1	3	4	1	3	2	0	0	0	2
--INFLAMMATION, ACUTE		2	5	6	1	4	3	0	0	0	2
--INFLAMMATION, CHRONIC ACTIVE		0	0	0	1	0	0	0	0	1	0
--PIGMENT		0	0	0	0	1	0	0	0	0	0
LN, INGUINAL (IN)	NUMBER EXAMINED:	0	0	1	0	0	1	1	1	1	0
	NOT REMARKABLE:	0	0	1	0	0	0	1	1	0	0
--HEMORRHAGE		0	0	0	0	0	0	0	0	1	0
--INFILTRATE, MACROPHAGE, PIGMENTED		0	0	0	0	0	1	0	0	1	0
JOINT, OTHER (JT)	NUMBER EXAMINED:	0	1	1	0	0	1	0	1	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
--EDEMA		0	1	1	0	0	0	0	0	0	0
--EXOSTOSES		0	1	1	0	0	1	0	1	0	0
--FIBROSIS		0	1	0	0	0	1	0	1	0	0
--INFLAMMATION, ACUTE		0	1	1	0	0	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL
DEATH=T,U;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---									
SEX:		----------MALE---------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
NUMBER:		14	22	22	17	10	13	13	15	20	12
ADIPOSE TISSUE (AT)	NUMBER EXAMINED:	0	1	0	0	0	1	1	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
--FIBROSIS		0	0	0	0	0	0	1	0	0	0
--HEMORRHAGE		0	0	0	0	0	0	1	0	0	0
--INFLAMMATION, CHRONIC		0	1	0	0	0	0	0	0	0	0
--B-LIPOMA		0	1	0	0	0	0	0	0	0	0
--I-TRANSITIONAL CELL CARCINOMA		0	0	0	0	0	1	0	0	0	0
AORTA (AO)	NUMBER EXAMINED:	1	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	1	0	0	0	0	0	0	0	0	0
PENIS (PE)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
PREPUTIAL GLAND (PG)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
AUDITORY SEB GL (AS)	NUMBER EXAMINED:	0	0	0	0	1	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
--INFLAMMATION, ACUTE		0	0	0	0	1	0	0	0	0	0
--M-CARCINOMA		0	0	0	0	1	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL
DEATH=T,U;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
SEX:		----------MALE---------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
NUMBER:		14	22	22	17	10	13	13	15	20	12
AORTIC ARCH (AA)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
LN, TRACHEOBRON (TB)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
URETER (UE)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
PINNA (PN)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	1	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
--HEMORRHAGE		0	0	0	0	0	0	0	0	1	0
LN, POPLITEAL (PP)	NUMBER EXAMINED:	1	2	0	0	0	0	0	1	0	0
	NOT REMARKABLE:	0	1	0	0	0	0	0	0	0	0
--DILATATION, SINUSOIDAL		0	0	0	0	0	0	0	1	0	0
--HYPERPLASIA, LYMPHOCYTIC		0	1	0	0	0	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0	0	0	0	0	0	0	0	0
CAVITY, THORACIC (TA)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0

Incidence of Microscopic Observations

Terminal and Recovery Sacrifices

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL
DEATH=T,U;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
SEX:		----------MALE---------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
NUMBER:		14	22	22	17	10	13	13	15	20	12
SUBCUTANEOUS TIS (SQ)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
TONGUE (TO)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
LN, OTHER (LN)	NUMBER EXAMINED:	0	0	0	1	0	0	0	0	0	1
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	1
--DILATATION, SINUSOIDAL		0	0	0	1	0	0	0	0	0	0
--INFILTRATE, MACROPHAGE, PIGMENTED		0	0	0	1	0	0	0	0	0	0
DIAPHRAGM (DP)	NUMBER EXAMINED:	1	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
--B-FIBROMA		1	0	0	0	0	0	0	0	0	0
BILE DUCT (BD)	NUMBER EXAMINED:	0	1	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
--DILATED		0	1	0	0	0	0	0	0	0	0

** END OF LIST **

Incidence of Microscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
TABLE INCLUDES:								
SEX=ALL;GROUP=ALL;WEEKS=ALL	SEX:	----------MALE----------						
DEATH=D,M;FIND=ALL;SUBSET=ALL								
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND FINDING DESCRIPTION	NUMBER:	36	28	27	33	3	30	1
** TOP OF LIST **								
EYE (EY)	NUMBER EXAMINED:	36	28	27	33	3	30	1
	NOT REMARKABLE:	31	25	25	31	3	29	1
--FIBROSIS, CORNEAL		0	0	1	0	0	0	0
--FIBROSIS, LENS		0	1	0	0	0	0	0
--INFLAMMATION, ACUTE		3	0	0	0	0	0	0
--INFLAMMATION, ACUTE, CILIARY		0	1	0	0	0	0	0
--INFLAMMATION, ACUTE, CORNEAL		0	0	2	1	0	1	0
--MINERALIZATION, CORNEAL		2	0	1	1	0	0	0
--MINERALIZATION, LENS		1	0	0	0	0	0	0
--ULCERATION, CORNEAL		1	0	1	0	0	0	0
--VASCULARIZATION, CORNEAL		0	1	1	0	0	1	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	1	0	0	0
BRAIN (BR)	NUMBER EXAMINED:	36	28	27	33	3	30	1
	NOT REMARKABLE:	10	12	8	11	3	11	1
--COMPRESSION, VENTRAL		26	16	19	22	0	18	0
--DILATATION, VENTRICULAR		21	15	17	21	0	16	0
--HEMORRHAGE		2	2	1	1	0	4	0
--NECROSIS, GRAY MATTER		0	0	0	0	0	1	0
--PIGMENT		0	0	1	0	0	1	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	0	0	1	0
LIVER (LI)	NUMBER EXAMINED:	36	28	27	33	3	30	1
	NOT REMARKABLE:	14	13	8	4	0	6	0
--CYST		0	0	0	2	0	0	0

Incidence of Microscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
	SEX:	----------MALE----------						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND FINDING DESCRIPTION	NUMBER:	36	28	27	33	3	30	1
** FROM PREVIOUS PAGE **								
LIVER (LI)	NUMBER EXAMINED:	36	28	27	33	3	30	1
	NOT REMARKABLE:	14	13	8	4	0	6	0
--DEGENERATION, CYSTIC		3	3	2	6	0	6	0
--FIBROSIS		0	0	0	0	0	1	0
--FIBROSIS, CAPSULAR		0	1	0	0	0	0	0
--FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC		5	2	0	1	0	1	0
--FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC		1	0	0	0	0	0	0
--HEMATOPOIESIS, EXTRAMEDULLARY		0	0	0	1	0	0	0
--HEMORRHAGE		2	1	2	0	2	5	0
--HYPERPLASIA, BILE DUCT		5	2	2	7	0	4	0
--HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR		0	0	0	2	2	2	1
--INFLAMMATION, CHRONIC		8	6	7	11	0	6	0
--INFLAMMATION, CHRONIC-ACTIVE		0	0	1	0	0	0	0
--LIPIDOSIS, SUBCAPSULAR (TENSION LIPIDOSIS)		0	0	1	1	0	0	0
--NECROSIS, HEPATOCELLULAR		1	2	2	1	3	3	1
--STASIS, BILE		0	0	0	0	0	1	0
--TELANGIECTASIS		0	1	1	0	0	0	0
--VACUOLATION, HEPATOCELLULAR		13	8	11	16	0	10	0
--B-ADENOMA, HEPATOCELLULAR		1	2	1	2	0	0	0
--B-CHOLANGIOMA		0	0	0	1	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	1	1	1	0	1	0
LIVER, OIL RED O (LI1)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		----------MALE----------						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		36	28	27	33	3	30	1
KIDNEY (KD)	NUMBER EXAMINED:	36	28	27	33	3	30	1
	NOT REMARKABLE:	2	4	7	2	3	3	1
--CAST, PROTEINACEOUS		10	8	10	15	0	8	0
--CYST		2	1	0	0	0	0	0
--DILATATION, PELVIC		7	1	2	6	0	3	0
--HEMORRHAGE		0	1	0	0	0	0	0
--HYPERPLASIA, TRANSITIONAL CELL		0	0	0	2	0	0	0
--INFARCT		2	2	0	0	0	1	0
--MINERALIZATION, PELVIC		7	6	6	2	0	9	0
--MINERALIZATION, TUBULAR		2	0	0	3	0	1	0
--NECROSIS		0	1	0	0	0	0	0
--NECROSIS, PAPILLARY		1	0	1	0	0	1	0
--NEPHROPATHY, CHRONIC PROGRESSIVE		23	15	9	13	0	15	0
--PYELONEPHRITIS		4	1	2	6	0	6	0
--B-LIPOMA		0	0	0	0	0	1	0
--M-NEPHROBLASTOMA		0	1	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0	0	2	0	0	0
SPLEEN (SP)	NUMBER EXAMINED:	36	28	27	33	3	30	1
	NOT REMARKABLE:	35	28	25	26	3	27	1
--CYST, SEROSAL		0	0	0	1	0	0	0
--HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED		0	0	1	3	0	3	0
--PIGMENT, INCREASED		0	0	1	2	0	0	0
--B-HEMANGIOMA		0	0	0	1	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0	0	0	0	0	0

Incidence of Microscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
TABLE INCLUDES:								
SEX=ALL;GROUP=ALL;WEEKS=ALL	SEX:	----------MALE----------						
DEATH=D,M;FIND=ALL;SUBSET=ALL								
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND FINDING DESCRIPTION	NUMBER:	36	28	27	33	3	30	1
PANCREAS (PA)	NUMBER EXAMINED:	36	28	27	33	3	30	1
	NOT REMARKABLE:	27	19	18	24	3	25	1
--ATROPHY, ACINAR		3	2	4	2	0	2	0
--FIBROSIS		0	0	0	1	0	0	0
--HEMORRHAGE		1	1	1	1	0	0	0
--INFILTRATION, FAT, INTERSTITIAL		0	0	0	1	0	0	0
--INFLAMMATION, VASCULAR		0	1	1	0	0	1	0
--PIGMENT		1	6	5	3	0	3	0
--B-ADENOMA, ISLET CELL		3	2	0	3	0	1	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0	0	2	0	0	0
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	36	28	27	33	3	30	1
	NOT REMARKABLE:	17	16	18	17	3	21	1
--ANGIECTASIS		5	1	0	4	0	4	0
--ATROPHY, CORTICAL		1	0	0	0	0	0	0
--DEGENERATION, CYSTIC, CORTICAL		5	2	5	3	0	4	0
--HEMORRHAGE		7	2	1	7	0	3	0
--HYPERPLASIA, CORTICAL		0	1	0	0	0	0	0
--HYPERTROPHY, CORTICAL CELL		0	2	0	2	0	0	0
--MINERALIZATION		1	0	0	0	0	0	0
--NECROSIS, CORTICAL		1	0	0	0	0	1	0
--ONE EXAMINED		0	0	0	1	0	0	0
--PIGMENT		2	0	1	0	0	0	0
--THROMBUS		0	0	0	1	0	0	0
--VACUOLATION		11	9	6	11	0	4	0
--M-CARCINOMA		1	0	0	0	0	0	0

Incidence of Microscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		----------MALE----------						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		36	28	27	33	3	30	1
** FROM PREVIOUS PAGE **								
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	36	28	27	33	3	30	1
	NOT REMARKABLE:	17	16	18	17	3	21	1
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0	0	1	0	0	0
ADRENAL, MEDULLA (MA)	NUMBER EXAMINED:	36	28	27	33	3	30	1
	NOT REMARKABLE:	25	23	22	29	3	28	1
--HEMORRHAGE		2	1	0	0	0	0	0
--HYPERPLASIA, MEDULLARY		1	0	1	0	0	0	0
--ONE EXAMINED		0	0	2	1	0	0	0
--VACUOLATION		0	0	0	0	0	1	0
--B-PHEOCHROMOCYTOMA		9	5	2	3	0	1	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0	0	0	0	0	0
LN, MESENTERIC (MS)	NUMBER EXAMINED:	36	28	27	33	3	30	1
	NOT REMARKABLE:	31	24	24	30	3	29	1
--HEMORRHAGE		0	2	1	2	0	1	0
--HYPERPLASIA, LYMPHOCYTIC		0	0	0	1	0	0	0
--INFILTRATE, MACROPHAGE, PIGMENTED		4	2	2	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	1	0	0	0	0	0
OVARY (OV)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		----------MALE----------						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		36	28	27	33	3	30	1
TESTIS (TE)	NUMBER EXAMINED:	36	28	27	33	3	30	1
	NOT REMARKABLE:	30	22	21	28	3	23	1
--ATROPHY/DEGENERATION		4	3	3	2	0	4	0
--GRANULOMA, SPERM		0	0	0	0	0	1	0
--HEMORRHAGE		2	0	0	0	0	0	0
--INFLAMMATION, CHRONIC		1	1	0	2	0	0	0
--INFLAMMATION, VASCULAR		1	0	0	0	0	0	0
--MINERALIZATION		2	1	2	0	0	1	0
--MINERALIZATION, VASCULAR		1	1	1	2	0	4	0
--NECROSIS		0	0	0	1	0	0	0
--B-INTERSTITIAL CELL TUMOR		2	0	0	0	0	0	0
BONE, FEMUR (FE)	NUMBER EXAMINED:	36	27	27	33	3	30	1
	NOT REMARKABLE:	35	27	27	32	3	30	1
--OSTEODYSTROPHY, FIBROUS		1	0	0	1	0	0	0
MARROW, FEMUR (FM)	NUMBER EXAMINED:	36	27	27	33	3	30	1
	NOT REMARKABLE:	35	27	27	33	3	30	1
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0	0	0	0	0	0
MARROW, STERNUM (SE)	NUMBER EXAMINED:	36	28	27	33	3	30	1
	NOT REMARKABLE:	35	28	27	33	3	30	1
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		----------MALE----------						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		36	28	27	33	3	30	1
BONE, STERNUM (SB)	NUMBER EXAMINED:	36	28	27	33	3	30	1
	NOT REMARKABLE:	36	28	27	33	3	30	1
SPINAL CORD (SC)	NUMBER EXAMINED:	36	28	27	33	3	29	1
	NOT REMARKABLE:	36	28	26	33	3	27	1
--HEMORRHAGE		0	0	0	0	0	2	0
--NECROSIS		0	0	0	0	0	1	0
--VACUOLATION, WHITE MATTER		0	0	1	0	0	0	0
THYMUS (TH)	NUMBER EXAMINED:	35	28	26	31	3	30	1
	NOT REMARKABLE:	30	26	24	25	0	25	1
--CYST		3	1	0	2	0	0	0
--DEPLETION, LYMPHOCYTIC		0	0	0	0	0	1	0
--HEMORRHAGE		3	1	2	2	3	4	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	1	0	2	0	0	0
LUNG (LU)	NUMBER EXAMINED:	36	28	27	33	3	30	1
	NOT REMARKABLE:	19	19	12	20	2	14	1
--EDEMA, ALVEOLAR		1	0	0	0	0	1	0
--FIBROSIS, PLEURAL/SUBPLEURAL		1	3	0	1	0	0	0
--HEMORRHAGE		1	1	2	2	1	3	0
--HYPERPLASIA, TYPE II PNEUMOCYTE		0	0	0	0	0	2	0
--INFLAMMATION, ACUTE		1	0	0	1	0	2	0
--INFLAMMATION, CHRONIC		0	0	1	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

			--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---					
TABLE INCLUDES:								
SEX=ALL;GROUP=ALL;WEEKS=ALL		SEX:	----------MALE----------					
DEATH=D,M;FIND=ALL;SUBSET=ALL								
		GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND FINDING DESCRIPTION		NUMBER:	36	28	27	33	3	30	1
** FROM PREVIOUS PAGE **									
LUNG (LU)	NUMBER EXAMINED:		36	28	27	33	3	30	1
	NOT REMARKABLE:		19	19	12	20	2	14	1
--INFILTRATE, MACROPHAGE, ALVEOLAR			11	2	4	5	0	4	0
--INFILTRATE, MACROPHAGE, PIGMENTED			0	0	0	1	0	1	0
--MINERALIZATION			1	0	1	0	0	0	0
--MINERALIZATION, VASCULAR			7	4	8	6	0	9	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)			1	0	1	3	0	0	0
--N-ADRENAL CORTICAL CARCINOMA			1	0	0	0	0	0	0
HEART (HT)	NUMBER EXAMINED:		36	28	26	33	3	30	1
	NOT REMARKABLE:		20	18	19	24	3	20	1
--DEGENERATION/NECROSIS			16	10	7	7	0	9	0
--FIBROSIS			9	6	3	3	0	5	0
--INFLAMMATION, CHRONIC			1	0	0	0	0	0	0
--MINERALIZATION			1	0	0	1	0	0	0
--OSSEOUS METAPLASIA			1	0	0	0	0	0	0
--THROMBUS			1	0	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)			0	0	0	1	0	0	0
MUSCLE, SKELETAL (SM)	NUMBER EXAMINED:		36	28	27	33	3	30	1
	NOT REMARKABLE:		33	28	26	30	3	27	1
--CYST			0	0	0	0	0	1	0
--DEGENERATION/NECROSIS			1	0	1	2	0	2	0
--M-FIBROSARCOMA			1	0	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)			1	0	0	1	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		----------MALE----------						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		36	28	27	33	3	30	1
NERVE, SCIATIC (SN)	NUMBER EXAMINED:	36	28	27	32	3	30	1
	NOT REMARKABLE:	36	28	27	32	3	30	1
TRACHEA (TR)	NUMBER EXAMINED:	36	28	27	33	3	30	1
	NOT REMARKABLE:	36	28	27	33	3	30	1
ESOPHAGUS (ES)	NUMBER EXAMINED:	36	28	24	33	3	30	1
	NOT REMARKABLE:	36	28	24	33	3	30	1
THYROID (TY)	NUMBER EXAMINED:	36	28	27	33	3	30	1
	NOT REMARKABLE:	22	13	16	19	2	21	0
--CYST, FOLLICULAR		1	3	0	3	0	2	0
--CYST, ULTIMOBRANCHIAL		6	7	6	3	1	3	0
--ECTOPIC THYMUS		0	0	0	0	0	0	1
--HEMORRHAGE		1	1	0	0	0	1	0
--HYPERPLASIA, C-CELL		0	2	0	0	0	1	0
--HYPERPLASIA, FOLLICULAR CELL		0	0	0	0	0	1	0
--INFLAMMATION, GRANULOMATOUS		1	0	0	0	0	0	0
--INFLAMMATION, VASCULAR		0	0	0	0	0	1	0
--MINERALIZATION		1	0	0	0	0	0	0
--ONE EXAMINED		0	0	1	0	0	0	0
--PIGMENT		0	0	1	0	0	0	0
--B-ADENOMA, C-CELL		7	4	4	6	0	2	0
--B-ADENOMA, FOLLICULAR CELL		0	1	0	3	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		MALE						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		36	28	27	33	3	30	1
** FROM PREVIOUS PAGE **								
THYROID (TY)	NUMBER EXAMINED:	36	28	27	33	3	30	1
	NOT REMARKABLE:	22	13	16	19	2	21	0
--M-CARCINOMA, FOLLICULAR CELL		0	0	0	0	0	1	0
PARATHYROID (PT)	NUMBER EXAMINED:	34	27	27	33	3	30	1
	NOT REMARKABLE:	29	25	26	31	3	29	1
--HYPERPLASIA		5	1	1	2	0	1	0
--B-ADENOMA		0	1	0	0	0	0	0
PITUITARY (PI)	NUMBER EXAMINED:	36	28	27	33	3	30	1
	NOT REMARKABLE:	4	4	2	2	3	5	1
--CYST		0	1	0	1	0	0	0
--HEMORRHAGE		23	15	20	22	0	17	0
--HYPERPLASIA		0	1	0	0	0	0	0
--PIGMENT		0	0	1	0	0	4	0
--B-ADENOMA		32	23	25	30	0	25	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	1	0	0	0
HARDERIAN GLAND (HG)	NUMBER EXAMINED:	36	28	27	32	3	30	1
	NOT REMARKABLE:	28	22	23	30	3	27	1
--INFLAMMATION, CHRONIC		8	6	4	2	0	3	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
	SEX:	----------MALE----------						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND FINDING DESCRIPTION	NUMBER:	36	28	27	33	3	30	1
SALIV GL, MANDIB (SG) ...	NUMBER EXAMINED:	36	28	27	32	3	30	1
	NOT REMARKABLE:	34	28	27	32	3	30	1
--MINERALIZATION		1	0	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0	0	0	0	0	0
STOMACH, GL (ST) ...	NUMBER EXAMINED:	36	28	27	32	3	30	1
	NOT REMARKABLE:	28	28	22	24	3	27	0
--CYST		0	0	1	0	0	0	0
--EDEMA		1	0	2	3	0	2	0
--EROSION		5	0	2	4	0	2	1
--HEMORRHAGE		0	0	1	2	0	0	0
--MINERALIZATION		3	0	1	1	0	0	0
--INFLAMMATION, ACUTE		0	0	2	3	0	1	0
--INFLAMMATION, CHRONIC-ACTIVE		1	0	1	1	0	0	0
--PIGMENT		0	0	0	1	0	0	0
--ULCERATION		1	0	0	1	0	0	0
STOMACH, NONGL (SU) ...	NUMBER EXAMINED:	36	28	27	32	3	30	1
	NOT REMARKABLE:	30	22	23	27	3	25	1
--EDEMA		5	6	3	5	0	4	0
--EROSION		1	5	2	3	0	1	0
--HEMORRHAGE		1	0	0	2	0	0	0
--INFLAMMATION, ACUTE		1	5	2	2	0	3	0
--INFLAMMATION, CHRONIC-ACTIVE		3	1	0	3	0	2	0
--ULCERATION		2	0	0	2	0	3	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
	SEX:	----------MALE----------						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
	NUMBER:	36	28	27	33	3	30	1
** FROM PREVIOUS PAGE **								
STOMACH, NONGL (SU)	NUMBER EXAMINED:	36	28	27	32	3	30	1
	NOT REMARKABLE:	30	22	23	27	3	25	1
--B-PAPILLOMA, SQUAMOUS CELL		0	0	1	0	0	0	0
DUODENUM (DU)	NUMBER EXAMINED:	36	27	25	32	3	30	1
	NOT REMARKABLE:	36	27	25	32	3	30	1
JEJUNUM (JE)	NUMBER EXAMINED:	28	25	25	30	3	26	0
	NOT REMARKABLE:	28	25	25	30	3	26	0
ILEUM (IL)	NUMBER EXAMINED:	31	25	26	31	3	30	1
	NOT REMARKABLE:	30	25	26	31	3	30	1
--EDEMA		1	0	0	0	0	0	0
CECUM (CE)	NUMBER EXAMINED:	36	26	27	31	3	30	1
	NOT REMARKABLE:	35	26	26	31	3	29	1
--EDEMA		1	0	0	0	0	0	0
--EROSION		1	0	0	0	0	0	0
--HEMORRHAGE		1	0	0	0	0	1	0
--PARASITISM		0	0	1	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		----------MALE----------						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		36	28	27	33	3	30	1
COLON (CO)	NUMBER EXAMINED:	36	27	27	32	3	30	1
	NOT REMARKABLE:	36	26	27	31	3	30	1
--PARASITISM		0	1	0	1	0	0	0
RECTUM (RE)	NUMBER EXAMINED:	36	27	26	33	3	30	1
	NOT REMARKABLE:	34	26	26	32	3	30	1
--PARASITISM		2	1	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	1	0	0	0
SKIN (SK)	NUMBER EXAMINED:	36	28	27	33	3	30	1
	NOT REMARKABLE:	34	22	26	29	3	26	1
--CYST, EPIDERMAL INCLUSION		1	1	0	0	0	0	0
--EDEMA		0	1	0	0	0	0	0
--HEMORRHAGE		0	1	0	0	0	1	0
--INFLAMMATION, ACUTE		0	2	0	0	0	0	0
--NECROSIS		0	1	0	0	0	0	0
--B-HEMANGIOMA		0	0	0	0	0	1	0
--B-KERATOACANTHOMA		1	1	1	0	0	0	0
--B-LIPOMA		0	0	0	1	0	0	0
--B-PAPILLOMA, SQUAMOUS CELL		0	1	0	1	0	3	0
--M-SARCOMA, UNDIFFERENTIATED		0	1	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	1	0	2	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---						
SEX:		MALE						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		36	28	27	33	3	30	1
MAMMARY, FEMALE (MF)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
URINARY BLADDER (UB)	NUMBER EXAMINED:	36	28	27	33	3	30	1
	NOT REMARKABLE:	33	27	26	30	3	28	1
--CALCULUS		0	0	0	1	0	0	0
--HEMORRHAGE		0	0	0	0	0	2	0
--HYPERPLASIA, TRANSITIONAL CELL		1	1	1	2	0	0	0
--INFLAMMATION, ACUTE		1	0	0	0	0	1	0
--INFLAMMATION, CHRONIC		0	1	1	1	0	1	0
--INFLAMMATION, CHRONIC-ACTIVE		1	0	0	0	0	0	0
--ULCERATION		0	0	0	0	0	1	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	1	0	0	0
CERVIX (CV)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
UTERUS (UT)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
VAGINA (VA)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0

Incidence of Microscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
TABLE INCLUDES:								
SEX=ALL;GROUP=ALL;WEEKS=ALL	SEX:	----------MALE----------						
DEATH=D,M;FIND=ALL;SUBSET=ALL								
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND FINDING DESCRIPTION	NUMBER:	36	28	27	33	3	30	1
PROSTATE (PR)	NUMBER EXAMINED:	36	28	27	33	3	30	1
	NOT REMARKABLE:	8	7	4	6	3	9	1
--EDEMA		0	1	1	1	0	0	0
--FIBROSIS		2	0	0	0	0	0	0
--HEMORRHAGE		0	0	0	1	0	0	0
--INFLAMMATION, ACUTE		7	5	0	5	0	4	0
--INFLAMMATION, CHRONIC		1	2	0	3	0	5	0
--INFLAMMATION, CHRONIC-ACTIVE		20	14	22	18	0	11	0
--MINERALIZATION, LUMINAL		0	0	2	2	0	2	0
--NECROSIS		0	0	0	1	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	1	0	0	0
SEMINAL VESICLES (SV)	NUMBER EXAMINED:	36	28	27	33	3	30	1
	NOT REMARKABLE:	31	26	26	25	3	24	1
--EDEMA		1	0	0	1	0	1	0
--FIBROSIS		0	0	0	1	0	0	0
--HYPERPLASIA, EPITHELIAL		0	0	0	1	0	0	0
--INFLAMMATION, ACUTE		1	0	0	1	0	2	0
--INFLAMMATION, CHRONIC		0	1	0	2	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		1	0	0	1	0	1	0
--ONE EXAMINED		1	0	0	0	0	0	0
--SECRETION, INCREASED		3	1	1	3	0	4	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	1	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
TABLE INCLUDES:								
SEX=ALL;GROUP=ALL;WEEKS=ALL	SEX:	----------MALE----------						
DEATH=D,M;FIND=ALL;SUBSET=ALL								
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND FINDING DESCRIPTION	NUMBER:	36	28	27	33	3	30	1
EPIDIDYMIDES (EP)	NUMBER EXAMINED:	36	28	27	33	3	30	1
	NOT REMARKABLE:	35	26	25	33	3	28	1
--HYPOSPERMIA		0	1	1	0	0	2	0
--INFLAMMATION, CHRONIC		0	0	1	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		1	1	0	0	0	0	0
CAUSE OF DEATH (CD)	NUMBER EXAMINED:	36	28	27	33	3	30	1
	NOT REMARKABLE:	0	0	0	0	0	0	0
--ADRENAL CORTICAL CARCINOMA		1	0	0	0	0	0	0
--AUDITORY SEBACEOUS GLAND CARCINOMA		0	1	0	0	0	0	0
--CARCINOMA		0	0	1	0	0	0	0
--CHRONIC PROGRESSIVE NEPHROPATHY		2	1	0	2	0	0	0
--FIBROSARCOMA		1	0	0	0	0	0	0
--FRACTURE, HARD PALATE		0	1	0	0	0	0	0
--HEMANGIOMA		0	0	0	0	0	1	0
--HEPATIC NECROSIS		0	0	0	0	2	1	1
--HEPATOCELLULAR ADENOMA		0	2	1	1	0	0	0
--HISTIOCYTIC SARCOMA		0	1	1	1	0	0	0
--MALIGNANT FIBROUS HISTIOSARCOMA		0	0	0	1	0	0	0
--MALIGNANT LYMPHOMA		1	1	0	1	0	1	0
--NECROSIS, ANAL MUSCULATURE		0	0	0	0	0	1	0
--NEPHROBLASTOMA		0	1	0	0	0	0	0
--PITUITARY ADENOMA		23	15	18	21	0	21	0
--PYELONEPHRITIS		1	0	1	0	0	0	0
--UNDETERMINED		7	4	5	6	1	4	0
--UNDIFFERENTIATED SARCOMA		0	1	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		----------MALE----------						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		36	28	27	33	3	30	1
** FROM PREVIOUS PAGE **								
CAUSE OF DEATH (CD)	NUMBER EXAMINED:	36	28	27	33	3	30	1
	NOT REMARKABLE:	0	0	0	0	0	0	0
--UROLITHIASIS		0	0	0	0	0	1	0
LN, MANDIBULAR (MN)	NUMBER EXAMINED:	3	1	0	2	0	3	0
	NOT REMARKABLE:	1	0	0	1	0	0	0
--HEMORRHAGE		1	0	0	1	0	1	0
--HYPERPLASIA, LYMPHOCYTIC		0	1	0	0	0	2	0
--INFILTRATE, MACROPHAGE, PIGMENTED		0	0	0	1	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0	0	0	0	0	0
LN, MEDIASTINAL (ML)	NUMBER EXAMINED:	2	0	2	1	0	2	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--DILATATION, SINUSOIDAL		0	0	1	0	0	0	0
--HEMORRHAGE		0	0	1	1	0	2	0
--INFILTRATE, MACROPHAGE, PIGMENTED		1	0	2	0	0	2	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0	0	1	0	0	0
CAVITY, ABDOM (PC)	NUMBER EXAMINED:	0	0	1	0	0	1	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--NECROSIS, FAT		0	0	0	0	0	1	0
--M-CARCINOMA		0	0	1	0	0	0	0

Incidence of Microscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---						
SEX:		MALE						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		36	28	27	33	3	30	1
CAVITY, ORAL (OC)	NUMBER EXAMINED:	0	1	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--BACTERIAL COLONIES		0	1	0	0	0	0	0
--FRACTURE		0	1	0	0	0	0	0
--HEMORRHAGE		0	1	0	0	0	0	0
--INFLAMMATION, ACUTE		0	1	0	0	0	0	0
HEMATO NEOPLASIA (HN)	NUMBER EXAMINED:	36	28	27	33	3	30	1
	NOT REMARKABLE:	35	26	26	30	3	29	1
--M-LYMPHOMA		1	1	0	1	0	1	0
--M-MALIGNANT FIBROUS HISTIOCYTOMA		0	0	0	1	0	0	0
--M-SARCOMA, HISTIOCYTIC		0	1	1	1	0	0	0
MESENTERY (MY)	NUMBER EXAMINED:	1	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--HEMORRHAGE		1	0	0	0	0	0	0
LN, ANT MES/PANC (AP)	NUMBER EXAMINED:	1	1	0	1	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--HEMORRHAGE		0	0	0	1	0	0	0
--INFILTRATE, MACROPHAGE, PIGMENTED		0	0	0	1	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	1	0	0	0	0	0

Incidence of Microscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		----------MALE----------						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		36	28	27	33	3	30	1
LN, LUMBAR/ILIAC (LM)	NUMBER EXAMINED:	2	5	1	4	0	1	0
	NOT REMARKABLE:	0	2	0	0	0	1	0
--DILATATION, SINUSOIDAL		1	2	1	4	0	0	0
--HYPERPLASIA, LYMPHOCYTIC		0	1	1	2	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0	0	0	0	0	0
LN, RENAL (RL)	NUMBER EXAMINED:	3	1	0	2	0	1	0
	NOT REMARKABLE:	0	0	0	0	0	1	0
--DILATATION, SINUSOIDAL		2	1	0	1	0	0	0
--FIBROSIS		0	0	0	1	0	0	0
--HEMORRHAGE		2	0	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0	0	1	0	0	0
MAMMARY, MALE (MM)	NUMBER EXAMINED:	14	8	6	10	0	5	0
	NOT REMARKABLE:	0	0	0	2	0	0	0
--GALACTOCELE		12	5	4	4	0	2	0
--HEMORRHAGE		1	0	0	0	0	0	0
--MINERALIZATION		1	2	0	0	0	0	0
--PIGMENT		1	2	2	3	0	3	0
--B-FIBROADENOMA		1	1	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	1	0	0	0
LN, AXILLARY (AX)	NUMBER EXAMINED:	2	0	0	0	0	1	0
	NOT REMARKABLE:	2	0	0	0	0	1	0

Incidence of Microscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		----------MALE----------						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		36	28	27	33	3	30	1
CALVARIUM/SKULL (CA)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
TAIL (TI)	NUMBER EXAMINED:	2	3	1	2	0	3	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--CYST, EPIDERMAL INCLUSION		1	2	1	1	0	1	0
--EROSION		2	2	0	0	0	1	0
--FIBROSIS		1	0	0	0	0	0	0
--HEMORRHAGE		0	0	0	1	0	0	0
--INFLAMMATION, ACUTE		2	2	0	1	0	1	0
--NECROSIS		0	0	0	0	0	1	0
--B-KERATOACANTHOMA		0	1	0	0	0	0	0
ANUS (AN)	NUMBER EXAMINED:	0	0	0	0	0	1	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--NECROSIS, MUSCULAR		0	0	0	0	0	1	0
FOOT/FOOTPAD(S) (FP)	NUMBER EXAMINED:	9	2	6	5	0	6	0
	NOT REMARKABLE:	1	0	0	0	0	0	0
--EDEMA		3	0	3	2	0	2	0
--EROSION		6	2	6	5	0	4	0
--EXOSTOSES		2	0	0	2	0	2	0
--FIBROSIS		2	2	6	3	0	3	0
--HEMORRHAGE		0	0	0	1	0	0	0

Incidence of Microscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		----------MALE----------						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		36	28	27	33	3	30	1
** FROM PREVIOUS PAGE **								
FOOT/FOOTPAD(S) (FP)	NUMBER EXAMINED:	9	2	6	5	0	6	0
	NOT REMARKABLE:	1	0	0	0	0	0	0
--INFLAMMATION, ACUTE		7	2	5	5	0	5	0
--INFLAMMATION, CHRONIC ACTIVE		1	0	1	0	0	1	0
--PIGMENT		0	0	0	0	0	1	0
LN, INGUINAL (IN)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
JOINT, OTHER (JT)	NUMBER EXAMINED:	1	0	0	1	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--DISLOCATION		1	0	0	0	0	0	0
--EDEMA		1	0	0	0	0	0	0
--EXOSTOSES		0	0	0	1	0	0	0
--HEMORRHAGE		1	0	0	0	0	0	0
--INFLAMMATION, CHRONIC		0	0	0	1	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE, SYNOVIAL		1	0	0	0	0	0	0
ADIPOSE TISSUE (AT)	NUMBER EXAMINED:	1	0	0	1	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--INFLAMMATION, CHRONIC ACTIVE		1	0	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	1	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		----------MALE----------						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		36	28	27	33	3	30	1
AORTA (AO)	NUMBER EXAMINED:	2	0	1	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--MINERALIZATION		2	0	1	0	0	0	0
PENIS (PE)	NUMBER EXAMINED:	1	1	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--EDEMA		1	0	0	0	0	0	0
--HEMORRHAGE		1	0	0	0	0	0	0
--INFLAMMATION, CHRONIC ACTIVE		1	0	0	0	0	0	0
--PROLAPSE		1	1	0	0	0	0	0
PREPUTIAL GLAND (PG)	NUMBER EXAMINED:	0	1	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--INFLAMMATION, CHRONIC		0	1	0	0	0	0	0
AUDITORY SEB GL (AS)	NUMBER EXAMINED:	0	1	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--M-CARCINOMA		0	1	0	0	0	0	0
AORTIC ARCH (AA)	NUMBER EXAMINED:	1	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--MINERALIZATION		1	0	0	0	0	0	0

Incidence of Microscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		----------MALE----------						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		36	28	27	33	3	30	1
LN, TRACHEOBRON (TB)	NUMBER EXAMINED:	1	0	0	2	0	0	0
	NOT REMARKABLE:	1	0	0	0	0	0	0
--HEMORRHAGE		0	0	0	1	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	1	0	0	0
URETER (UE)	NUMBER EXAMINED:	0	0	0	0	0	1	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--DILATATION		0	0	0	0	0	1	0
--INFLAMMATION, CHRONIC		0	0	0	0	0	1	0
PINNA (PN)	NUMBER EXAMINED:	0	0	0	0	0	1	0
	NOT REMARKABLE:	0	0	0	0	0	1	0
LN, POPLITEAL (PP)	NUMBER EXAMINED:	0	0	1	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--DILATATION, SINUSOIDAL		0	0	1	0	0	0	0
--HYPERPLASIA, LYMPHOCYTIC		0	0	1	0	0	0	0
CAVITY, THORACIC (TA)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0

Incidence of Microscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		----------MALE----------						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		36	28	27	33	3	30	1
SUBCUTANEOUS TIS (SQ)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
TONGUE (TO)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
LN, OTHER (LN)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
DIAPHRAGM (DP)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
BILE DUCT (BD)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
	SEX:	----------FEMALE----------						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND FINDING DESCRIPTION	NUMBER:	37	37	35	29	0	28	0
** TOP OF LIST **								
EYE (EY)	NUMBER EXAMINED:	37	37	35	29	0	28	0
	NOT REMARKABLE:	37	36	35	26	0	26	0
--INFLAMMATION, ACUTE		0	0	0	1	0	0	0
--INFLAMMATION, ACUTE, CORNEAL		0	0	0	1	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE, CORNEAL		0	0	0	0	0	1	0
--MINERALIZATION, CORNEAL		0	1	0	0	0	0	0
--ONE EXAMINED		0	0	0	1	0	0	0
--SYNECHIA, ANTERIOR		0	0	0	0	0	1	0
--ULCERATION, CORNEAL		0	0	0	1	0	0	0
--VASCULARIZATION, CORNEAL		0	0	0	1	0	2	0
BRAIN (BR)	NUMBER EXAMINED:	37	37	35	29	0	28	0
	NOT REMARKABLE:	4	4	6	9	0	9	0
--COMPRESSION, VENTRAL		32	32	29	20	0	18	0
--DILATATION, VENTRICULAR		22	24	21	13	0	12	0
--HEMORRHAGE		4	7	7	3	0	2	0
--PIGMENT		0	0	1	0	0	0	0
--VACUOLATION, WHITE MATTER		0	0	0	0	0	1	0
--M-ASTROCYTOMA		1	0	0	0	0	0	0
--I-PITUITARY CARCINOMA		0	0	0	0	0	1	0
LIVER (LI)	NUMBER EXAMINED:	37	37	35	29	0	28	0
	NOT REMARKABLE:	18	15	19	9	0	11	0
--CYST		1	0	0	1	0	0	0
--FIBROSIS		0	3	1	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
	SEX:	----------FEMALE----------						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND FINDING DESCRIPTION	NUMBER:	37	37	35	29	0	28	0
** FROM PREVIOUS PAGE **								
LIVER (LI)	NUMBER EXAMINED:	37	37	35	29	0	28	0
	NOT REMARKABLE:	18	15	19	9	0	11	0
--FOCUS, ALTERED HEPATOCELLULAR, CLEAR CELL		0	0	0	1	0	0	0
--FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC		3	3	0	1	0	1	0
--FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC		0	0	1	0	0	0	0
--HEMATOPOIESIS, EXTRAMEDULLARY		1	1	0	3	0	1	0
--HEMORRHAGE		2	1	3	0	0	2	0
--HYPERPLASIA, BILE DUCT		3	2	3	5	0	0	0
--INFLAMMATION, CHRONIC		6	10	6	8	0	7	0
--INFLAMMATION, CHRONIC-ACTIVE		0	1	0	0	0	0	0
--MINERALIZATION		1	0	0	0	0	0	0
--NECROSIS, HEPATOCELLULAR		4	4	3	4	0	2	0
--NECROSIS, INDIVIDUAL HEPATOCYTE		0	0	0	1	0	0	0
--PIGMENT		0	1	0	0	0	0	0
--PIGMENT, HEPATOCELLULAR		0	0	0	0	0	1	0
--PIGMENT, KUPFFER CELL		0	0	0	1	0	0	0
--TELANGIECTASIS		2	4	1	0	0	1	0
--THROMBUS		0	0	0	0	0	1	0
--VACUOLATION, HEPATOCELLULAR		9	8	6	11	0	6	0
--B-ADENOMA, HEPATOCELLULAR		0	0	2	1	0	1	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	0	0	1	0
LIVER, OIL RED O (LI1)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		----------FEMALE----------						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		37	37	35	29	0	28	0
KIDNEY (KD)	NUMBER EXAMINED:	37	37	35	29	0	28	0
	NOT REMARKABLE:	4	1	8	10	0	3	0
--CAST, PROTEINACEOUS		9	12	11	9	0	8	0
--CYST		3	0	0	1	0	0	0
--DILATATION, PELVIC		4	2	3	0	0	2	0
--HEMORRHAGE		0	1	0	1	0	0	0
--HYPERPLASIA, TRANSITIONAL CELL		0	1	0	0	0	1	0
--INFARCT		0	0	0	0	0	1	0
--MINERALIZATION, PELVIC		23	24	18	14	0	19	0
--MINERALIZATION, TUBULAR		7	7	4	1	0	3	0
--NEPHROPATHY, CHRONIC PROGRESSIVE		8	6	2	2	0	3	0
--PYELONEPHRITIS		1	2	1	2	0	2	0
--B-LIPOMA		0	0	0	0	0	1	0
SPLEEN (SP)	NUMBER EXAMINED:	37	37	35	29	0	28	0
	NOT REMARKABLE:	30	32	28	22	0	21	0
--FIBROSIS, CAPSULAR		0	1	0	0	0	0	0
--HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED		5	2	2	6	0	6	0
--PIGMENT, INCREASED		2	1	5	1	0	1	0
--B-HEMANGIOMA		0	1	0	0	0	0	0
PANCREAS (PA)	NUMBER EXAMINED:	37	37	35	29	0	28	0
	NOT REMARKABLE:	31	35	31	25	0	26	0
--ATROPHY, ACINAR		4	1	2	3	0	1	0
--HYPERPLASIA, ISLET CELLS		1	0	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
TABLE INCLUDES:								
SEX=ALL;GROUP=ALL;WEEKS=ALL	SEX:	----------FEMALE----------						
DEATH=D,M;FIND=ALL;SUBSET=ALL								
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND FINDING DESCRIPTION	NUMBER:	37	37	35	29	0	28	0
** FROM PREVIOUS PAGE **								
PANCREAS (PA)	NUMBER EXAMINED:	37	37	35	29	0	28	0
	NOT REMARKABLE:	31	35	31	25	0	26	0
--PIGMENT		2	0	2	1	0	0	0
--B-ADENOMA, ISLET CELL		0	0	0	0	0	1	0
--I-ENDOMETRIAL STROMAL SARCOMA		0	1	0	0	0	0	0
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	37	37	35	29	0	28	0
	NOT REMARKABLE:	5	3	2	14	0	3	0
--ANGIECTASIS		25	30	23	9	0	15	0
--DEGENERATION, CYSTIC, CORTICAL		11	15	16	5	0	13	0
--FIBROSIS		0	0	0	1	0	0	0
--HEMATOPOIESIS, EXTRAMEDULLARY		0	0	0	0	0	1	0
--HEMORRHAGE		31	33	30	10	0	18	0
--HYPERTROPHY, CORTICAL CELL		2	0	2	0	0	0	0
--MINERALIZATION		0	1	0	0	0	1	0
--PIGMENT		3	3	4	1	0	1	0
--THROMBUS		2	3	2	1	0	3	0
--VACUOLATION		3	2	2	4	0	1	0
--B-ADENOMA		2	0	2	2	0	1	0
ADRENAL, MEDULLA (MA)	NUMBER EXAMINED:	37	37	35	29	0	28	0
	NOT REMARKABLE:	37	35	34	27	0	27	0
--ONE EXAMINED		0	0	0	1	0	0	0
--VACUOLATION		0	0	0	1	0	1	0
--B-PHEOCHROMOCYTOMA		0	2	1	0	0	1	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
	SEX:	----------FEMALE----------						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND FINDING DESCRIPTION	NUMBER:	37	37	35	29	0	28	0
LN, MESENTERIC (MS)	NUMBER EXAMINED:	36	36	35	28	0	28	0
	NOT REMARKABLE:	33	34	29	26	0	25	0
--DILATATION, SINUSOIDAL		0	0	0	2	0	0	0
--EDEMA		0	0	1	0	0	0	0
--HEMORRHAGE		1	0	1	1	0	1	0
--INFILTRATE, MACROPHAGE, PIGMENTED		3	2	6	0	0	2	0
OVARY (OV)	NUMBER EXAMINED:	37	37	35	29	0	28	0
	NOT REMARKABLE:	26	25	26	16	0	21	0
--CYST		7	8	9	8	0	7	0
--HEMORRHAGE		1	2	0	2	0	0	0
--MINERALIZATION		2	2	0	1	0	0	0
--ONE EXAMINED		1	1	0	2	0	0	0
--PIGMENTED		0	0	0	1	0	0	0
TESTIS (TE)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
BONE, FEMUR (FE)	NUMBER EXAMINED:	37	37	35	29	0	27	0
	NOT REMARKABLE:	37	37	35	29	0	27	0
MARROW, FEMUR (FM)	NUMBER EXAMINED:	37	37	35	29	0	27	0
	NOT REMARKABLE:	37	37	35	29	0	27	0

Incidence of Microscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
	SEX:	----------FEMALE----------						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND FINDING DESCRIPTION	NUMBER:	37	37	35	29	0	28	0
MARROW, STERNUM (SE)	NUMBER EXAMINED:	37	37	35	29	0	28	0
	NOT REMARKABLE:	37	37	35	29	0	28	0
BONE, STERNUM (SB)	NUMBER EXAMINED:	37	37	35	29	0	28	0
	NOT REMARKABLE:	37	37	35	29	0	28	0
SPINAL CORD (SC)	NUMBER EXAMINED:	37	37	35	29	0	28	0
	NOT REMARKABLE:	37	37	34	29	0	27	0
--HEMORRHAGE		0	0	1	0	0	1	0
THYMUS (TH)	NUMBER EXAMINED:	37	36	35	28	0	25	0
	NOT REMARKABLE:	23	27	24	17	0	19	0
--CYST		10	7	10	9	0	5	0
--DEPLETION, LYMPHOCYTIC		1	0	1	0	0	0	0
--HEMORRHAGE		3	2	0	0	0	1	0
--M-THYMIC CARCINOMA		0	0	0	1	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0	0	1	0	0	0
LUNG (LU)	NUMBER EXAMINED:	37	37	35	29	0	28	0
	NOT REMARKABLE:	28	29	26	18	0	14	0
--EDEMA, ALVEOLAR		0	1	0	0	0	1	0
--FOREIGN BODY		0	0	1	0	0	0	0
--HEMORRHAGE		0	1	2	0	0	3	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---						
SEX:		FEMALE						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		37	37	35	29	0	28	0
** FROM PREVIOUS PAGE **								
LUNG (LU)	NUMBER EXAMINED:	37	37	35	29	0	28	0
	NOT REMARKABLE:	28	29	26	18	0	14	0
--INFLAMMATION, CHRONIC		0	0	0	2	0	2	0
--INFLAMMATION, CHRONIC-ACTIVE		0	1	1	0	0	0	0
--INFLAMMATION, GRANULOMATOUS		0	0	1	0	0	0	0
--INFILTRATE, MACROPHAGE, ALVEOLAR		5	0	4	5	0	6	0
--INFILTRATE, MACROPHAGE, PIGMENTED		0	0	1	0	0	0	0
--MINERALIZATION		0	2	0	1	0	3	0
--MINERALIZATION, VASCULAR		6	4	2	3	0	6	0
--THROMBUS		0	0	0	1	0	0	0
--N-MAMMARY CARCINOMA		0	0	0	1	0	1	0
HEART (HT)	NUMBER EXAMINED:	37	37	35	29	0	28	0
	NOT REMARKABLE:	30	32	30	27	0	28	0
--DEGENERATION/NECROSIS		7	5	4	2	0	0	0
--FIBROSIS		3	1	3	2	0	0	0
--MINERALIZATION		0	0	1	1	0	0	0
MUSCLE, SKELETAL (SM)	NUMBER EXAMINED:	37	37	35	29	0	28	0
	NOT REMARKABLE:	36	37	34	29	0	28	0
--DEGENERATION/NECROSIS		1	0	1	0	0	0	0
NERVE, SCIATIC (SN)	NUMBER EXAMINED:	36	37	35	29	0	28	0
	NOT REMARKABLE:	36	37	35	29	0	28	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		FEMALE						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		37	37	35	29	0	28	0
TRACHEA (TR)	NUMBER EXAMINED:	37	37	35	29	0	28	0
	NOT REMARKABLE:	37	37	35	29	0	28	0
ESOPHAGUS (ES)	NUMBER EXAMINED:	37	37	35	29	0	28	0
	NOT REMARKABLE:	37	37	35	29	0	28	0
THYROID (TY)	NUMBER EXAMINED:	37	37	35	29	0	28	0
	NOT REMARKABLE:	23	19	26	19	0	22	0
--CYST, FOLLICULAR		1	1	0	1	0	0	0
--CYST, ULTIMOBRANCHIAL		8	9	6	2	0	2	0
--HEMORRHAGE		0	3	1	1	0	0	0
--HYPERPLASIA, C-CELL		1	0	1	0	0	0	0
--INFLAMMATION, CHRONIC		0	0	0	0	0	1	0
--B-ADENOMA, C-CELL		5	9	4	6	0	3	0
--B-ADENOMA, FOLLICULAR CELL		1	0	0	2	0	1	0
--M-CARCINOMA, C-CELL		1	0	0	0	0	0	0
PARATHYROID (PT)	NUMBER EXAMINED:	34	34	34	28	0	27	0
	NOT REMARKABLE:	34	34	34	28	0	27	0
PITUITARY (PI)	NUMBER EXAMINED:	37	37	35	29	0	28	0
	NOT REMARKABLE:	3	1	1	2	0	2	0
--CYST		2	4	4	2	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		----------FEMALE----------						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		37	37	35	29	0	28	0
** FROM PREVIOUS PAGE **								
PITUITARY (PI)	NUMBER EXAMINED:	37	37	35	29	0	28	0
	NOT REMARKABLE:	3	1	1	2	0	2	0
--HEMORRHAGE		25	29	30	17	0	18	0
--HYPERPLASIA		0	0	0	0	0	1	0
--NECROSIS		0	1	0	0	0	0	0
--PIGMENT		3	6	7	5	0	3	0
--B-ADENOMA		34	35	34	26	0	24	0
--M-CARCINOMA		0	0	0	0	0	1	0
HARDERIAN GLAND (HG)	NUMBER EXAMINED:	37	37	35	29	0	28	0
	NOT REMARKABLE:	28	31	27	24	0	26	0
--INFLAMMATION, CHRONIC		8	6	8	5	0	2	0
--ONE EXAMINED		1	0	0	0	0	0	0
SALIV GL, MANDIB (SG)	NUMBER EXAMINED:	37	37	35	28	0	27	0
	NOT REMARKABLE:	37	37	35	28	0	27	0
STOMACH, GL (ST)	NUMBER EXAMINED:	37	37	35	29	0	28	0
	NOT REMARKABLE:	35	36	32	24	0	27	0
--CYST		0	0	0	0	0	1	0
--EDEMA		1	0	1	3	0	0	0
--EROSION		1	1	2	2	0	0	0
--MINERALIZATION		0	0	1	1	0	0	0
--INFLAMMATION, ACUTE		0	0	1	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		----------FEMALE----------						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		37	37	35	29	0	28	0
STOMACH, NONGL (SU)	NUMBER EXAMINED:	37	37	35	29	0	28	0
	NOT REMARKABLE:	30	32	32	25	0	23	0
--EDEMA		6	5	3	4	0	4	0
--EROSION		1	3	0	2	0	2	0
--FIBROSIS		1	0	0	0	0	0	0
--HEMORRHAGE		1	0	0	2	0	0	0
--HYPERKERATOSIS, NONGLANDULAR MUCOSA		1	0	0	0	0	0	0
--INFLAMMATION, ACUTE		2	4	0	4	0	2	0
--INFLAMMATION, CHRONIC-ACTIVE		3	0	0	0	0	0	0
--ULCERATION		2	0	0	2	0	1	0
DUODENUM (DU)	NUMBER EXAMINED:	37	37	35	29	0	28	0
	NOT REMARKABLE:	37	37	35	29	0	28	0
JEJUNUM (JE)	NUMBER EXAMINED:	36	37	33	28	0	26	0
	NOT REMARKABLE:	35	36	33	28	0	25	0
--CYST, KERATIN		0	0	0	0	0	1	0
--DIVERTICULUM		0	1	0	0	0	0	0
--B-ANGIOMA		1	0	0	0	0	0	0
ILEUM (IL)	NUMBER EXAMINED:	34	36	34	29	0	27	0
	NOT REMARKABLE:	34	36	34	29	0	27	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		FEMALE						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		37	37	35	29	0	28	0
CECUM (CE)	NUMBER EXAMINED:	36	37	35	29	0	28	0
	NOT REMARKABLE:	35	37	35	29	0	28	0
--PARASITISM		1	0	0	0	0	0	0
COLON (CO)	NUMBER EXAMINED:	37	37	35	29	0	28	0
	NOT REMARKABLE:	36	37	35	28	0	28	0
--EDEMA		0	0	0	1	0	0	0
--PARASITISM		1	0	0	0	0	0	0
RECTUM (RE)	NUMBER EXAMINED:	37	37	35	29	0	27	0
	NOT REMARKABLE:	36	35	32	29	0	27	0
--PARASITISM		1	2	3	0	0	0	0
SKIN (SK)	NUMBER EXAMINED:	37	37	35	29	0	28	0
	NOT REMARKABLE:	32	33	27	25	0	22	0
--ACUTE INFLAMMATORY EXUDATE		0	1	0	0	0	0	0
--ATROPHY, ADNEXAL		0	0	0	1	0	1	0
--CYST, EPIDERMAL INCLUSION		1	0	0	0	0	0	0
--EDEMA		0	0	1	0	0	1	0
--FAT NECROSIS		1	0	0	0	0	0	0
--HEMORRHAGE		1	1	1	1	0	0	0
--INFLAMMATION, ACUTE		3	2	3	1	0	2	0
--INFLAMMATION, CHRONIC		0	0	1	1	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		0	0	0	1	0	2	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

			--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---					
TABLE INCLUDES:								
SEX=ALL;GROUP=ALL;WEEKS=ALL		SEX:	----------FEMALE----------					
DEATH=D,M;FIND=ALL;SUBSET=ALL								
		GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND FINDING DESCRIPTION		NUMBER:	37	37	35	29	0	28	0
** FROM PREVIOUS PAGE **									
SKIN (SK)	NUMBER EXAMINED:		37	37	35	29	0	28	0
	NOT REMARKABLE:		32	33	27	25	0	22	0
--ULCERATION			3	2	4	2	0	5	0
--B-FIBROMA			0	0	1	0	0	0	0
--B-KERATOACANTHOMA			0	0	1	0	0	0	0
--B-LIPOMA			1	0	0	0	0	0	0
--B-PAPILLOMA, SQUAMOUS CELL			0	0	0	0	0	1	0
--M-FIBROSARCOMA			0	1	1	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)			0	0	0	0	0	1	0
MAMMARY, FEMALE (MF)	NUMBER EXAMINED:		37	37	35	29	0	28	0
	NOT REMARKABLE:		5	5	7	7	0	4	0
--EDEMA			0	0	0	0	0	1	0
--GALACTOCELE			23	25	24	16	0	16	0
--HEMORRHAGE			4	3	5	7	0	2	0
--HYPERPLASIA, GLANDULAR			1	0	0	0	0	0	0
--INFLAMMATION, ACUTE			0	1	4	3	0	0	0
--INFLAMMATION, CHRONIC			0	0	1	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE			0	0	1	0	0	1	0
--MINERALIZATION			5	7	8	5	0	3	0
--NECROSIS			1	2	3	2	0	0	0
--PIGMENT			3	2	5	3	0	0	0
--B-ADENOMA			2	3	2	2	0	4	0
--B-FIBROADENOMA			14	13	11	6	0	8	0
--M-CARCINOMA			8	7	10	7	0	4	0
--M-FIBROSARCOMA			1	0	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		FEMALE						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		37	37	35	29	0	28	0
** FROM PREVIOUS PAGE **								
MAMMARY, FEMALE (MF)	NUMBER EXAMINED:	37	37	35	29	0	28	0
	NOT REMARKABLE:	5	5	7	7	0	4	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	0	0	1	0
URINARY BLADDER (UB)	NUMBER EXAMINED:	37	37	35	29	0	28	0
	NOT REMARKABLE:	37	37	35	27	0	28	0
--INFLAMMATION, CHRONIC		0	0	0	2	0	0	0
CERVIX (CV)	NUMBER EXAMINED:	37	37	34	29	0	27	0
	NOT REMARKABLE:	36	35	33	29	0	24	0
--DILATATION		1	1	0	0	0	1	0
--HEMORRHAGE		0	1	0	0	0	1	0
--INFLAMMATION, ACUTE		0	0	0	0	0	1	0
--NECROSIS		0	1	0	0	0	0	0
--B-POLYP, ENDOMETRIAL STROMAL		1	1	0	0	0	3	0
--M-SARCOMA, ENDOMETRIAL STROMAL		0	1	1	0	0	0	0
UTERUS (UT)	NUMBER EXAMINED:	37	37	34	29	0	28	0
	NOT REMARKABLE:	30	27	28	21	0	22	0
--DILATATION		6	8	4	5	0	5	0
--HEMORRHAGE		0	0	0	2	0	1	0
--HYPERPLASIA, CYSTIC, ENDOMETRIAL		0	2	1	2	0	1	0
--INFLAMMATION, ACUTE		0	0	1	1	0	1	0
--NECROSIS		0	0	0	0	0	1	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
	SEX:	----------FEMALE----------						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND FINDING DESCRIPTION	NUMBER:	37	37	35	29	0	28	0
** FROM PREVIOUS PAGE **								
UTERUS (UT)	NUMBER EXAMINED:	37	37	34	29	0	28	0
	NOT REMARKABLE:	30	27	28	21	0	22	0
--PIGMENT		0	0	0	1	0	0	0
--B-POLYP, ENDOMETRIAL, STROMAL		1	0	1	1	0	1	0
--M-HEMANGIOSARCOMA		1	0	0	0	0	0	0
VAGINA (VA)	NUMBER EXAMINED:	37	37	35	28	0	27	0
	NOT REMARKABLE:	37	35	33	28	0	27	0
--HEMORRHAGE		0	1	0	0	0	0	0
--B-PAPILLOMA, SQUAMOUS CELL		0	1	0	0	0	0	0
--M-CARCINOMA, SQUAMOUS CELL		0	0	1	0	0	0	0
--I-ENDOMETRIAL STROMAL SARCOMA		0	0	1	0	0	0	0
PROSTATE (PR)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
SEMINAL VESICLES (SV)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
EPIDIDYMIDES (EP)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
	SEX:	----------FEMALE----------						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND FINDING DESCRIPTION	NUMBER:	37	37	35	29	0	28	0
CAUSE OF DEATH (CD)	NUMBER EXAMINED:	37	37	35	29	0	28	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--ASTROCYTOMA		1	0	0	0	0	0	0
--C-CELL CARCINOMA		1	0	0	0	0	0	0
--CHRONIC PROGRESSIVE NEPHROPATHY		0	0	0	0	0	1	0
--ENDOMETRIAL STROMAL POLYP		0	0	0	0	0	2	0
--ENDOMETRIAL STROMAL SARCOMA		0	1	1	0	0	0	0
--FIBROMA		0	0	1	0	0	0	0
--FIBROSARCOMA		0	1	1	0	0	0	0
--HEMANGIOSARCOMA		1	0	0	0	0	0	0
--HEPATOCELLULAR ADENOMA		0	0	1	0	0	0	0
--KERATIN CYST		0	0	0	0	0	1	0
--KERATOACANTHOMA		0	0	1	0	0	0	0
--LIPOMA		1	0	0	0	0	0	0
--LIPOSARCOMA		0	0	1	0	0	0	0
--MALIGNANT FIBROUS HISTIOSARCOMA		0	0	0	0	0	1	0
--MALIGNANT LYMPHOMA		1	0	0	0	0	0	0
--MAMMARY CARCINOMA		0	3	6	3	0	2	0
--MAMMARY FIBROADENOMA		5	4	0	1	0	1	0
--PITUITARY ADENOMA		27	28	22	16	0	18	0
--PITUITARY CARCINOMA		0	0	0	1	0	1	0
--RENAL MINERALIZATION		0	0	0	1	0	0	0
--SQUAMOUS CELL CARCINOMA		0	0	1	0	0	0	0
--THYMIC CARCINOMA		0	0	0	1	0	0	0
--UNDETERMINED		0	0	0	5	0	1	0
--UTERINE HEMORRHAGE		0	0	0	1	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		FEMALE						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		37	37	35	29	0	28	0
LN, MANDIBULAR (MN)	NUMBER EXAMINED:	4	3	5	7	0	5	0
	NOT REMARKABLE:	2	2	3	4	0	3	0
--HEMORRHAGE		1	0	1	2	0	0	0
--HYPERPLASIA, LYMPHOCYTIC		1	1	1	1	0	2	0
LN, MEDIASTINAL (ML)	NUMBER EXAMINED:	2	2	5	3	0	4	0
	NOT REMARKABLE:	0	0	1	0	0	1	0
--HEMORRHAGE		1	2	1	1	0	3	0
--INFILTRATE, MACROPHAGE, PIGMENTED		2	1	4	3	0	2	0
CAVITY, ABDOM (PC)	NUMBER EXAMINED:	0	4	0	2	0	1	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--HEMORRHAGE		0	1	0	1	0	0	0
--INFLAMMATION, CHRONIC		0	0	0	1	0	0	0
--MINERALIZATION		0	1	0	1	0	0	0
--NECROSIS, FAT		0	3	0	2	0	1	0
--PIGMENT		0	0	0	1	0	0	0
--THROMBUS		0	0	0	1	0	0	0
--I-ENDOMETRIAL STROMAL SARCOMA		0	1	0	0	0	0	0
CAVITY, ORAL (OC)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		FEMALE						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		37	37	35	29	0	28	0
HEMATO NEOPLASIA (HN)	NUMBER EXAMINED:	37	37	35	29	0	28	0
	NOT REMARKABLE:	36	37	35	28	0	27	0
--M-LYMPHOMA		1	0	0	1	0	0	0
--M-MALIGNANT FIBROUS HISTIOCYTOMA		0	0	0	0	0	1	0
MESENTERY (MY)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
LN, ANT MES/PANC (AP)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
LN, LUMBAR/ILIAC (LM)	NUMBER EXAMINED:	2	2	2	1	0	4	0
	NOT REMARKABLE:	1	1	1	1	0	1	0
--DILATATION, SINUSOIDAL		1	0	0	0	0	1	0
--HEMORRHAGE		1	1	0	0	0	1	0
--HYPERPLASIA, LYMPHOCYTIC		0	0	0	0	0	2	0
--N-ENDOMETRIAL STROMAL SARCOMA		0	0	1	0	0	0	0
LN, RENAL (RL)	NUMBER EXAMINED:	0	1	0	1	0	1	0
	NOT REMARKABLE:	0	1	0	0	0	0	0
--HEMORRHAGE		0	0	0	1	0	0	0
--HYPERPLASIA, LYMPHOCYTIC		0	0	0	0	0	1	0
--INFILTRATE, MACROPHAGE, PIGMENTED		0	0	0	1	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
	SEX:	----------FEMALE----------						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND FINDING DESCRIPTION	NUMBER:	37	37	35	29	0	28	0
MAMMARY, MALE (MM) ...	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
LN, AXILLARY (AX) ...	NUMBER EXAMINED:	12	13	12	6	0	3	0
	NOT REMARKABLE:	8	9	8	2	0	1	0
--DILATATION, SINUSOIDAL		0	0	0	1	0	0	0
--HEMORRHAGE		3	4	1	3	0	0	0
--HYPERPLASIA, LYMPHOCYTIC		1	0	2	1	0	1	0
--INFILTRATE, MACROPHAGE, PIGMENTED		1	1	1	1	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	0	0	1	0
CALVARIUM/SKULL (CA) ...	NUMBER EXAMINED:	0	1	0	0	0	0	0
	NOT REMARKABLE:	0	1	0	0	0	0	0
TAIL (TI) ...	NUMBER EXAMINED:	0	0	1	2	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--CYST, EPIDERMAL INCLUSION		0	0	0	2	0	0	0
--EROSION		0	0	1	0	0	0	0
--INFLAMMATION, ACUTE		0	0	1	2	0	0	0
ANUS (AN) ...	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0

Incidence of Microscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		FEMALE						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		37	37	35	29	0	28	0
FOOT/FOOTPAD(S) (FP)	NUMBER EXAMINED:	4	3	3	0	0	2	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--CYST, EPIDERMAL INCLUSION		0	1	0	0	0	0	0
--EDEMA		1	1	0	0	0	1	0
--EROSION		4	2	0	0	0	1	0
--EXOSTOSES		1	1	0	0	0	0	0
--FIBROSIS		3	2	3	0	0	1	0
--HEMORRHAGE		0	1	0	0	0	0	0
--INFLAMMATION, ACUTE		4	3	2	0	0	2	0
--INFLAMMATION, CHRONIC ACTIVE		0	0	1	0	0	0	0
LN, INGUINAL (IN)	NUMBER EXAMINED:	3	3	3	1	0	0	0
	NOT REMARKABLE:	1	2	2	0	0	0	0
--HYPERPLASIA, LYMPHOCYTIC		1	1	1	0	0	0	0
--N-MAMMARY CARCINOMA		0	0	0	1	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0	0	0	0	0	0
JOINT, OTHER (JT)	NUMBER EXAMINED:	2	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--EXOSTOSES		2	0	0	0	0	0	0
--INFLAMMATION, CHRONIC		2	0	0	0	0	0	0
ADIPOSE TISSUE (AT)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0

Incidence of Microscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		FEMALE						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		37	37	35	29	0	28	0
AORTA (AO)	NUMBER EXAMINED:	0	0	0	0	0	1	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--MINERALIZATION		0	0	0	0	0	1	0
PENIS (PE)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
PREPUTIAL GLAND (PG)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
AUDITORY SEB GL (AS)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
AORTIC ARCH (AA)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
LN, TRACHEOBRON (TB)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
URETER (UE)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		FEMALE						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		37	37	35	29	0	28	0
PINNA (PN)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
LN, POPLITEAL (PP)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
CAVITY, THORACIC (TA)	NUMBER EXAMINED:	0	0	1	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--M-LIPOSARCOMA		0	0	1	0	0	0	0
SUBCUTANEOUS TIS (SQ)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
TONGUE (TO)	NUMBER EXAMINED:	0	0	0	0	0	1	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--CYST		0	0	0	0	0	1	0
LN, OTHER (LN)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		FEMALE						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		37	37	35	29	0	28	0
DIAPHRAGM (DP)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
BILE DUCT (BD)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0

Incidence of Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
	SEX:	----------MALE----------						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	60	60	70	70	40	40
		-=-	-=-	-=-	-=-	-=-	-=-	-=-
** TOP OF LIST **								
EYE (EY)	NUMBER EXAMINED:	65	34	33	65	8	30	1
	NOT REMARKABLE:	58	30	31	62	8	29	1
--CATARACT		1	0	0	0	0	0	0
--FIBROSIS, CORNEAL		0	0	1	0	0	0	0
--FIBROSIS, LENS		0	1	0	0	0	0	0
--HYPERPLASIA, CORNEAL EPITHELIUM		1	0	0	0	0	0	0
--INFLAMMATION, ACUTE		3	0	0	0	0	0	0
--INFLAMMATION, ACUTE, CILIARY		0	2	0	0	0	0	0
--INFLAMMATION, ACUTE, CORNEAL		1	1	2	2	0	1	0
--MINERALIZATION, CORNEAL		3	0	1	1	0	0	0
--MINERALIZATION, LENS		1	0	0	0	0	0	0
--ULCERATION, CORNEAL		1	1	1	0	0	0	0
--VASCULARIZATION, CORNEAL		0	2	1	0	0	1	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	1	0	0	0
BRAIN (BR)	NUMBER EXAMINED:	65	37	36	65	8	34	1
	NOT REMARKABLE:	37	17	15	39	8	11	1
--COMPRESSION, VENTRAL		28	20	21	25	0	22	0
--DILATATION, VENTRICULAR		21	16	17	22	0	16	0
--HEMORRHAGE		2	2	1	1	0	4	0
--NECROSIS, GRAY MATTER		0	0	0	0	0	1	0
--PIGMENT		0	0	1	0	0	1	0
--B-GRANULAR CELL TUMOR		0	0	0	1	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	0	0	1	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
	SEX:	----------MALE----------						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	60	60	70	70	40	40
LIVER (LI)	NUMBER EXAMINED:	65	55	55	65	8	40	1
	NOT REMARKABLE:	26	17	10	5	0	8	0
--CYST		1	0	0	2	0	0	0
--DEGENERATION, CYSTIC		6	8	14	18	0	7	0
--FIBROSIS		0	0	1	0	0	2	0
--FIBROSIS, CAPSULAR		0	1	0	0	0	0	0
--FOCUS, ALTERED HEPATOCELLULAR, CLEAR CELL		1	1	1	0	0	0	0
--FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC		8	12	11	6	0	2	0
--FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC		1	0	2	1	0	0	0
--HEMATOPOIESIS, EXTRAMEDULLARY		1	0	0	1	0	0	0
--HEMORRHAGE		3	3	3	1	5	7	0
--HYPERPLASIA, BILE DUCT		9	9	8	11	0	5	0
--HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR		0	1	3	22	7	2	1
--INFLAMMATION, ACUTE		0	0	0	0	0	1	0
--INFLAMMATION, CHRONIC		18	20	23	20	0	9	0
--INFLAMMATION, CHRONIC-ACTIVE		0	0	1	0	0	0	0
--LIPIDOSIS, SUBCAPSULAR (TENSION LIPIDOSIS)		0	2	1	2	0	0	0
--NECROSIS, HEPATOCELLULAR		1	3	4	2	6	4	1
--PIGMENT		0	1	1	1	0	1	0
--STASIS, BILE		0	0	0	1	0	1	0
--TELANGIECTASIS		2	7	3	0	0	0	0
--THROMBUS		0	1	0	0	0	0	0
--VACUOLATION, HEPATOCELLULAR		17	18	23	39	1	11	0
--B-ADENOMA, HEPATOCELLULAR		2	4	2	5	0	0	0
--B-CHOLANGIOMA		0	0	0	1	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		2	1	1	1	0	1	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		----------MALE----------						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		70	60	60	70	70	40	40
LIVER, OIL RED O (LI1)	NUMBER EXAMINED:	5	0	0	5	0	0	0
	NOT REMARKABLE:	1	0	0	1	0	0	0
--POSITIVE OIL RED O STAINING		4	0	0	4	0	0	0
KIDNEY (KD)	NUMBER EXAMINED:	65	55	55	65	8	40	1
	NOT REMARKABLE:	8	7	13	20	7	3	1
--CAST, PROTEINACEOUS		17	15	16	18	0	11	0
--CYST		4	5	3	0	1	0	0
--DEGENERATION, TUBULAR		0	1	0	0	0	0	0
--DILATATION, PELVIC		8	2	6	7	0	5	0
--HEMORRHAGE		0	1	0	0	0	0	0
--HYPERPLASIA, TRANSITIONAL CELL		1	0	0	2	0	0	0
--INFARCT		2	4	1	0	0	2	0
--INFLAMMATION, ACUTE		1	1	0	0	0	0	0
--INFLAMMATION, CHRONIC		0	1	0	1	0	0	0
--MINERALIZATION		1	0	0	0	0	0	0
--MINERALIZATION, PELVIC		9	8	10	4	0	9	0
--MINERALIZATION, TUBULAR		2	0	0	3	0	1	0
--NECROSIS		0	1	0	0	0	0	0
--NECROSIS, PAPILLARY		1	0	1	0	0	1	0
--NEPHROPATHY, CHRONIC PROGRESSIVE		37	29	24	22	1	22	0
--PYELONEPHRITIS		5	2	2	6	0	6	0
--THROMBUS		1	0	0	0	0	0	0
--B-LIPOMA		0	0	0	0	0	1	0
--M-LIPOSARCOMA		0	0	0	0	0	1	0
--M-NEPHROBLASTOMA		0	1	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
	SEX:	----------MALE----------						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	60	60	70	70	40	40
** FROM PREVIOUS PAGE **								
KIDNEY (KD)	NUMBER EXAMINED:	65	55	55	65	8	40	1
	NOT REMARKABLE:	8	7	13	20	7	3	1
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0	0	2	0	0	0
SPLEEN (SP)	NUMBER EXAMINED:	65	34	33	65	8	30	1
	NOT REMARKABLE:	63	34	31	58	8	27	1
--CYST, SEROSAL		0	0	0	1	0	0	0
--HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED		0	0	1	3	0	3	0
--PIGMENT, INCREASED		0	0	1	2	0	0	0
--B-HEMANGIOMA		0	0	0	1	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		2	0	0	0	0	0	0
PANCREAS (PA)	NUMBER EXAMINED:	65	55	55	65	8	40	1
	NOT REMARKABLE:	45	32	36	45	8	28	1
--ATROPHY, ACINAR		10	9	10	9	0	7	0
--CYST		0	1	0	0	0	0	0
--FIBROSIS		1	0	0	2	0	0	0
--HEMORRHAGE		3	2	1	1	0	0	0
--HYPERPLASIA, ACINAR		1	2	0	0	0	0	0
--HYPERTROPHY, VASCULAR		2	0	0	0	0	1	0
--INFILTRATE, EOSINOPHILS		1	0	0	0	0	0	0
--INFILTRATION, FAT, INTERSTITIAL		0	0	0	1	0	0	0
--INFLAMMATION, CHRONIC		2	0	0	1	0	0	0
--INFLAMMATION, VASCULAR		2	3	1	0	0	2	0
--PIGMENT		2	8	9	6	0	5	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
	SEX:	----------MALE----------						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	60	60	70	70	40	40
** FROM PREVIOUS PAGE **								
PANCREAS (PA)	NUMBER EXAMINED:	65	55	55	65	8	40	1
	NOT REMARKABLE:	45	32	36	45	8	28	1
--B-ADENOMA, ISLET CELL		4	7	2	6	0	2	0
--M-CARCINOMA, ISLET CELL		0	0	1	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0	0	2	0	0	0
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	65	35	36	65	8	30	1
	NOT REMARKABLE:	30	18	25	40	8	21	1
--ADRENAL TISSUE, ECTOPIC		0	0	0	1	0	0	0
--ANGIECTASIS		9	2	0	5	0	4	0
--ATROPHY, CORTICAL		1	0	0	0	0	0	0
--DEGENERATION, CYSTIC, CORTICAL		9	3	6	4	0	4	0
--HEMORRHAGE		14	4	1	8	0	3	0
--HYPERPLASIA, CORTICAL		3	1	0	1	0	0	0
--HYPERTROPHY, CORTICAL CELL		3	2	0	2	0	0	0
--MINERALIZATION		2	0	0	0	0	0	0
--NECROSIS, CORTICAL		1	0	0	0	0	1	0
--ONE EXAMINED		0	0	0	1	0	0	0
--PIGMENT		2	1	1	0	0	0	0
--THROMBUS		2	1	0	1	0	0	0
--VACUOLATION		24	13	7	19	0	4	0
--M-CARCINOMA		1	0	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		2	0	0	1	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
	SEX:	----------MALE----------						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	60	60	70	70	40	40
ADRENAL, MEDULLA (MA)	NUMBER EXAMINED:	65	34	36	65	8	31	1
	NOT REMARKABLE:	54	28	28	59	8	28	1
--HEMORRHAGE		2	1	0	1	0	0	0
--HYPERPLASIA, MEDULLARY		1	0	1	0	0	0	0
--NECROSIS		0	0	1	0	0	0	0
--ONE EXAMINED		0	0	2	1	0	0	0
--VACUOLATION		0	0	0	0	0	1	0
--B-PHEOCHROMOCYTOMA		9	6	4	5	0	1	0
--M-MALIGNANT PHEOCHROMOCYTOMA		0	0	1	0	0	1	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0	0	0	0	0	0
LN, MESENTERIC (MS)	NUMBER EXAMINED:	65	34	35	65	8	30	1
	NOT REMARKABLE:	55	29	30	59	8	29	1
--DILATATION, SINUSOIDAL		1	0	0	1	0	0	0
--HEMORRHAGE		1	3	3	4	0	1	0
--HYPERPLASIA, LYMPHOCYTIC		0	0	0	1	0	0	0
--INFILTRATE, MACROPHAGE, PIGMENTED		4	3	3	1	0	0	0
--NECROSIS		1	0	0	0	0	0	0
--THROMBUS		1	0	0	0	0	0	0
--M-HEMANGIOSARCOMA		1	1	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		2	1	0	1	0	0	0
OVARY (OV)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		----------MALE----------						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		70	60	60	70	70	40	40
TESTIS (TE)	NUMBER EXAMINED:	65	55	55	65	8	40	1
	NOT REMARKABLE:	57	43	44	52	8	32	1
--ATROPHY/DEGENERATION		5	6	7	6	0	4	0
--GRANULOMA, SPERM		0	0	0	0	0	1	0
--HEMORRHAGE		2	0	1	1	0	0	0
--INFLAMMATION, CHRONIC		2	4	1	2	0	0	0
--INFLAMMATION, VASCULAR		1	0	0	0	0	0	0
--MINERALIZATION		2	2	3	2	0	1	0
--MINERALIZATION, VASCULAR		1	1	1	4	0	5	0
--NECROSIS		0	0	0	1	0	0	0
--B-INTERSTITIAL CELL TUMOR		3	1	3	1	0	0	0
BONE, FEMUR (FE)	NUMBER EXAMINED:	55	27	28	60	3	30	1
	NOT REMARKABLE:	54	27	28	59	3	30	1
--OSTEODYSTROPHY, FIBROUS		1	0	0	1	0	0	0
MARROW, FEMUR (FM)	NUMBER EXAMINED:	55	27	28	60	3	30	1
	NOT REMARKABLE:	54	27	28	60	3	30	1
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0	0	0	0	0	0
MARROW, STERNUM (SE)	NUMBER EXAMINED:	55	28	28	60	3	30	1
	NOT REMARKABLE:	54	28	28	60	3	30	1
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		----------MALE----------						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		70	60	60	70	70	40	40
BONE, STERNUM (SB)	NUMBER EXAMINED:	55	28	28	60	3	30	1
	NOT REMARKABLE:	55	28	28	60	3	30	1
SPINAL CORD (SC)	NUMBER EXAMINED:	55	28	28	60	3	29	1
	NOT REMARKABLE:	55	28	27	60	3	27	1
--HEMORRHAGE		0	0	0	0	0	2	0
--NECROSIS		0	0	0	0	0	1	0
--VACUOLATION, WHITE MATTER		0	0	1	0	0	0	0
THYMUS (TH)	NUMBER EXAMINED:	55	28	27	57	3	30	1
	NOT REMARKABLE:	47	26	25	51	0	25	1
--CYST		5	1	0	2	0	0	0
--DEPLETION, LYMPHOCYTIC		0	0	0	0	0	1	0
--HEMORRHAGE		4	1	2	2	3	4	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	1	0	2	0	0	0
LUNG (LU)	NUMBER EXAMINED:	55	50	50	60	3	40	1
	NOT REMARKABLE:	33	33	23	38	2	18	1
--EDEMA, ALVEOLAR		1	0	0	0	0	1	0
--FIBROSIS, PLEURAL/SUBPLEURAL		2	3	2	1	0	2	0
--HEMORRHAGE		2	1	3	2	1	3	0
--HYPERPLASIA, MEDIAL, ARTERIAL/ARTERIOLAR		0	0	0	1	0	0	0
--HYPERPLASIA, TYPE II PNEUMOCYTE		0	0	0	2	0	2	0
--INFLAMMATION, ACUTE		1	0	0	1	0	2	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
TABLE INCLUDES:								
SEX=ALL;GROUP=ALL;WEEKS=ALL	SEX:	----------MALE----------						
DEATH=ALL;FIND=ALL;SUBSET=ALL								
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	60	60	70	70	40	40
** FROM PREVIOUS PAGE **								
LUNG (LU)	NUMBER EXAMINED:	55	50	50	60	3	40	1
	NOT REMARKABLE:	33	33	23	38	2	18	1
--INFLAMMATION, CHRONIC		2	0	3	0	0	0	0
--INFILTRATE, MACROPHAGE, ALVEOLAR		15	3	5	7	0	7	0
--INFILTRATE, MACROPHAGE, PIGMENTED		0	0	0	1	0	1	0
--MINERALIZATION		1	1	1	1	0	1	0
--MINERALIZATION, VASCULAR		8	11	15	10	0	13	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0	1	3	0	0	0
--N-ADRENAL CORTICAL CARCINOMA		1	0	0	0	0	0	0
HEART (HT)	NUMBER EXAMINED:	55	29	27	60	3	30	1
	NOT REMARKABLE:	34	18	20	48	3	20	1
--DEGENERATION/NECROSIS		20	11	7	10	0	9	0
--FIBROSIS		13	7	3	3	0	5	0
--INFLAMMATION, CHRONIC		1	0	0	0	0	0	0
--MINERALIZATION		1	0	0	1	0	0	0
--OSSEOUS METAPLASIA		1	0	0	0	0	0	0
--THROMBUS		1	0	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	1	0	0	0
MUSCLE, SKELETAL (SM)	NUMBER EXAMINED:	55	29	28	60	3	30	1
	NOT REMARKABLE:	52	28	26	57	3	27	1
--CYST		0	0	0	0	0	1	0
--DEGENERATION/NECROSIS		1	1	1	2	0	2	0
--HEMORRHAGE		0	0	1	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		----------MALE----------						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		70	60	60	70	70	40	40
** FROM PREVIOUS PAGE **								
MUSCLE, SKELETAL (SM)	NUMBER EXAMINED:	55	29	28	60	3	30	1
	NOT REMARKABLE:	52	28	26	57	3	27	1
--M-FIBROSARCOMA		1	0	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0	0	1	0	0	0
NERVE, SCIATIC (SN)	NUMBER EXAMINED:	55	28	28	59	3	30	1
	NOT REMARKABLE:	55	28	28	59	3	30	1
TRACHEA (TR)	NUMBER EXAMINED:	55	28	28	60	3	30	1
	NOT REMARKABLE:	55	28	28	60	3	30	1
ESOPHAGUS (ES)	NUMBER EXAMINED:	55	28	25	60	3	30	1
	NOT REMARKABLE:	55	28	25	60	3	30	1
THYROID (TY)	NUMBER EXAMINED:	55	50	50	60	3	40	1
	NOT REMARKABLE:	31	21	25	30	2	23	0
--CYST, FOLLICULAR		2	4	4	8	0	4	0
--CYST, ULTIMOBRANCHIAL		10	15	11	9	1	5	0
--ECTOPIC THYMUS		0	0	0	0	0	0	1
--HEMORRHAGE		1	2	0	1	0	1	0
--HYPERPLASIA, C-CELL		3	3	2	0	0	3	0
--HYPERPLASIA, FOLLICULAR CELL		0	0	0	2	0	1	0
--INFLAMMATION, GRANULOMATOUS		1	1	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
TABLE INCLUDES:								
SEX=ALL;GROUP=ALL;WEEKS=ALL	SEX:	----------MALE----------						
DEATH=ALL;FIND=ALL;SUBSET=ALL								
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	60	60	70	70	40	40
** FROM PREVIOUS PAGE **								
THYROID (TY)	NUMBER EXAMINED:	55	50	50	60	3	40	1
	NOT REMARKABLE:	31	21	25	30	2	23	0
--INFLAMMATION, VASCULAR		0	0	0	0	0	1	0
--MINERALIZATION		1	0	0	1	0	0	0
--NECROSIS		0	0	1	0	0	0	0
--ONE EXAMINED		0	0	1	0	0	0	0
--PIGMENT		1	0	1	0	0	0	0
--B-ADENOMA, C-CELL		10	10	10	12	0	5	0
--B-ADENOMA, FOLLICULAR CELL		0	3	1	6	0	1	0
--M-CARCINOMA, C-CELL		0	0	1	0	0	0	0
--M-CARCINOMA, FOLLICULAR CELL		0	0	1	0	0	1	0
PARATHYROID (PT)	NUMBER EXAMINED:	54	29	27	58	3	30	1
	NOT REMARKABLE:	46	26	26	56	3	29	1
--HYPERPLASIA		8	2	1	2	0	1	0
--B-ADENOMA		0	1	0	0	0	0	0
PITUITARY (PI)	NUMBER EXAMINED:	55	33	38	60	3	36	1
	NOT REMARKABLE:	8	4	2	8	3	5	1
--CYST		1	1	2	2	0	0	0
--HEMORRHAGE		29	18	25	31	0	23	0
--HYPERPLASIA		1	1	0	3	0	0	0
--PIGMENT		0	0	1	0	0	4	0
--B-ADENOMA		46	28	36	48	0	31	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	1	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		-----MALE-----						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		70	60	60	70	70	40	40
HARDERIAN GLAND (HG)	NUMBER EXAMINED:	55	28	28	59	3	30	1
	NOT REMARKABLE:	46	22	24	53	3	27	1
--INFLAMMATION, CHRONIC		8	6	4	6	0	3	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0	0	0	0	0	0
SALIV GL, MANDIB (SG)	NUMBER EXAMINED:	55	28	28	59	3	30	1
	NOT REMARKABLE:	53	28	28	59	3	30	1
--MINERALIZATION		1	0	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0	0	0	0	0	0
STOMACH, GL (ST)	NUMBER EXAMINED:	57	31	29	59	3	31	1
	NOT REMARKABLE:	46	29	23	48	3	27	0
--CYST		0	0	1	0	0	0	0
--EDEMA		3	2	3	5	0	3	0
--EROSION		5	0	3	6	0	3	1
--FIBROSIS		0	0	1	0	0	0	0
--HEMORRHAGE		0	0	1	2	0	0	0
--MINERALIZATION		4	1	1	1	0	0	0
--INFLAMMATION, ACUTE		0	0	2	3	0	1	0
--INFLAMMATION, CHRONIC-ACTIVE		1	0	2	1	0	0	0
--PIGMENT		0	0	0	1	0	0	0
--ULCERATION		1	0	0	1	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		MALE						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		70	60	60	70	70	40	40
STOMACH, NONGL (SU)	NUMBER EXAMINED:	57	29	29	59	3	30	1
	NOT REMARKABLE:	50	22	24	54	3	25	1
--EDEMA		6	7	4	5	0	4	0
--EROSION		2	5	3	3	0	1	0
--HEMORRHAGE		2	0	0	2	0	0	0
--INFLAMMATION, ACUTE		1	6	2	2	0	3	0
--INFLAMMATION, CHRONIC-ACTIVE		3	1	0	3	0	2	0
--ULCERATION		2	1	0	2	0	3	0
--B-PAPILLOMA, SQUAMOUS CELL		0	0	1	0	0	0	0
DUODENUM (DU)	NUMBER EXAMINED:	59	27	26	59	4	30	1
	NOT REMARKABLE:	59	27	26	59	4	30	1
JEJUNUM (JE)	NUMBER EXAMINED:	48	25	26	57	3	26	0
	NOT REMARKABLE:	48	25	26	57	3	26	0
ILEUM (IL)	NUMBER EXAMINED:	50	25	27	58	3	30	1
	NOT REMARKABLE:	49	25	27	58	3	30	1
--EDEMA		1	0	0	0	0	0	0
CECUM (CE)	NUMBER EXAMINED:	55	26	29	58	3	30	1
	NOT REMARKABLE:	54	26	28	58	3	29	1
--EDEMA		1	0	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
	SEX:	----------MALE----------						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	60	60	70	70	40	40
** FROM PREVIOUS PAGE **								
CECUM (CE)	NUMBER EXAMINED:	55	26	29	58	3	30	1
	NOT REMARKABLE:	54	26	28	58	3	29	1
--EROSION		1	0	0	0	0	0	0
--HEMORRHAGE		1	0	0	0	0	1	0
--PARASITISM		0	0	1	0	0	0	0
COLON (CO)	NUMBER EXAMINED:	55	27	28	59	3	30	1
	NOT REMARKABLE:	55	26	28	57	3	30	1
--PARASITISM		0	1	0	2	0	0	0
RECTUM (RE)	NUMBER EXAMINED:	55	27	27	59	3	30	1
	NOT REMARKABLE:	50	26	27	53	3	30	1
--PARASITISM		5	1	0	5	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	1	0	0	0
SKIN (SK)	NUMBER EXAMINED:	55	35	33	60	3	32	1
	NOT REMARKABLE:	51	23	27	52	3	26	1
--ACUTE INFLAMMATORY EXUDATE		0	0	0	0	0	1	0
--CYST, EPIDERMAL INCLUSION		2	1	1	0	0	0	0
--EDEMA		0	1	0	0	0	0	0
--HEMORRHAGE		1	1	1	1	0	2	0
--INFLAMMATION, ACUTE		0	4	2	0	0	0	0
--INFLAMMATION, CHRONIC		0	0	0	0	0	1	0
--NECROSIS		0	1	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
TABLE INCLUDES:								
SEX=ALL;GROUP=ALL;WEEKS=ALL	SEX:	----------MALE----------						
DEATH=ALL;FIND=ALL;SUBSET=ALL								
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	60	60	70	70	40	40
** FROM PREVIOUS PAGE **								
SKIN (SK)	NUMBER EXAMINED:	55	35	33	60	3	32	1
	NOT REMARKABLE:	51	23	27	52	3	26	1
--ULCERATION		0	2	2	0	0	2	0
--B-FIBROMA		1	1	1	0	0	0	0
--B-HEMANGIOMA		0	0	0	0	0	1	0
--B-KERATOACANTHOMA		1	2	5	1	0	0	0
--B-LIPOMA		0	1	0	3	0	0	0
--B-PAPILLOMA, SQUAMOUS CELL		0	3	0	2	0	3	0
--M-CARCINOMA, SQUAMOUS CELL		0	1	0	0	0	0	0
--M-SARCOMA, UNDIFFERENTIATED		0	1	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	1	0	2	0	0	0
MAMMARY, FEMALE (MF)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
URINARY BLADDER (UB)	NUMBER EXAMINED:	55	50	50	60	3	40	1
	NOT REMARKABLE:	51	37	39	56	3	35	1
--CALCULUS		0	10	8	1	0	3	0
--DESQUAMATION, TRANSITIONAL EPITHELIUM		0	0	1	0	0	0	0
--EDEMA		0	0	1	0	0	0	0
--HEMORRHAGE		0	0	0	0	0	2	0
--HYPERPLASIA, TRANSITIONAL CELL		1	2	2	2	0	0	0
--INFLAMMATION, ACUTE		1	0	0	0	0	1	0
--INFLAMMATION, CHRONIC		0	2	2	2	0	1	0
--INFLAMMATION, CHRONIC-ACTIVE		1	1	1	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		----------MALE----------						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		70	60	60	70	70	40	40
** FROM PREVIOUS PAGE **								
URINARY BLADDER (UB)	NUMBER EXAMINED:	55	50	50	60	3	40	1
	NOT REMARKABLE:	51	37	39	56	3	35	1
--ULCERATION		0	0	0	0	0	1	0
--B-PAPILLOMA, TRANSITIONAL CELL		1	0	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	1	0	0	0
CERVIX (CV)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
UTERUS (UT)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
VAGINA (VA)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
PROSTATE (PR)	NUMBER EXAMINED:	55	31	33	60	3	31	1
	NOT REMARKABLE:	13	7	5	22	3	9	1
--EDEMA		0	1	1	1	0	0	0
--FIBROSIS		2	0	0	0	0	0	0
--HEMORRHAGE		0	0	0	1	0	0	0
--INFLAMMATION, ACUTE		9	6	2	7	0	4	0
--INFLAMMATION, CHRONIC		4	2	1	4	0	6	0
--INFLAMMATION, CHRONIC-ACTIVE		28	15	24	26	0	11	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
	SEX:	----------MALE----------						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	60	60	70	70	40	40
** FROM PREVIOUS PAGE **								
PROSTATE (PR)	NUMBER EXAMINED:	55	31	33	60	3	31	1
	NOT REMARKABLE:	13	7	5	22	3	9	1
--MINERALIZATION, LUMINAL		0	1	2	4	0	2	0
--NECROSIS		0	0	0	1	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0	0	1	0	0	0
SEMINAL VESICLES (SV)	NUMBER EXAMINED:	55	28	28	60	3	30	1
	NOT REMARKABLE:	48	26	27	51	3	24	1
--EDEMA		1	0	0	1	0	1	0
--FIBROSIS		0	0	0	1	0	0	0
--HYPERPLASIA, EPITHELIAL		0	0	0	1	0	0	0
--INFLAMMATION, ACUTE		1	0	0	1	0	2	0
--INFLAMMATION, CHRONIC		0	1	0	2	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		1	0	0	2	0	1	0
--ONE EXAMINED		1	0	0	0	0	0	0
--SECRETION, INCREASED		4	1	1	3	0	4	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0	0	1	0	0	0
EPIDIDYMIDES (EP)	NUMBER EXAMINED:	56	28	28	60	3	30	1
	NOT REMARKABLE:	53	26	25	58	3	28	1
--HYPOSPERMIA		1	1	1	2	0	2	0
--INFLAMMATION, CHRONIC		0	0	2	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		1	1	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
	SEX:	----------MALE----------						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	60	60	70	70	40	40
CAUSE OF DEATH (CD)	NUMBER EXAMINED:	70	60	60	70	70	40	40
	NOT REMARKABLE:	0	0	0	0	0	0	0
--SCHEDULED SACRIFICE		34	32	32	37	67	10	39
--ADRENAL CORTICAL CARCINOMA		1	0	0	0	0	0	0
--AUDITORY SEBACEOUS GLAND CARCINOMA		0	1	0	0	0	0	0
--CARCINOMA		0	0	1	0	0	0	0
--CHRONIC PROGRESSIVE NEPHROPATHY		2	1	0	2	0	0	0
--FIBROSARCOMA		1	0	0	0	0	0	0
--FRACTURE, HARD PALATE		0	1	0	0	0	0	0
--HEMANGIOMA		0	0	0	0	0	1	0
--HEPATIC NECROSIS		0	0	0	0	2	1	1
--HEPATOCELLULAR ADENOMA		0	2	1	1	0	0	0
--HISTIOCYTIC SARCOMA		0	1	1	1	0	0	0
--MALIGNANT FIBROUS HISTIOSARCOMA		0	0	0	1	0	0	0
--MALIGNANT LYMPHOMA		1	1	0	1	0	1	0
--NECROSIS, ANAL MUSCULATURE		0	0	0	0	0	1	0
--NEPHROBLASTOMA		0	1	0	0	0	0	0
--PITUITARY ADENOMA		23	15	18	21	0	21	0
--PYELONEPHRITIS		1	0	1	0	0	0	0
--TRAUMA		0	0	1	0	0	0	0
--UNDETERMINED		7	4	5	6	1	4	0
--UNDIFFERENTIATED SARCOMA		0	1	0	0	0	0	0
--UROLITHIASIS		0	0	0	0	0	1	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		----------MALE----------						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		70	60	60	70	70	40	40
LN, MANDIBULAR (MN)	NUMBER EXAMINED:	7	8	3	5	0	5	0
	NOT REMARKABLE:	1	2	0	1	0	0	0
--DILATATION, SINUSOIDAL		0	1	0	1	0	2	0
--HEMORRHAGE		4	5	3	3	0	2	0
--HYPERPLASIA, LYMPHOCYTIC		0	1	0	1	0	3	0
--INFILTRATE, MACROPHAGE, PIGMENTED		0	0	0	1	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		2	0	0	0	0	0	0
LN, MEDIASTINAL (ML)	NUMBER EXAMINED:	4	1	3	3	0	2	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--DILATATION, SINUSOIDAL		1	1	2	2	0	0	0
--HEMORRHAGE		1	0	1	1	0	2	0
--INFILTRATE, MACROPHAGE, PIGMENTED		1	0	2	0	0	2	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0	0	1	0	0	0
CAVITY, ABDOM (PC)	NUMBER EXAMINED:	0	0	1	0	0	1	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--NECROSIS, FAT		0	0	0	0	0	1	0
--M-CARCINOMA		0	0	1	0	0	0	0
CAVITY, ORAL (OC)	NUMBER EXAMINED:	0	1	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--BACTERIAL COLONIES		0	1	0	0	0	0	0
--FRACTURE		0	1	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
	SEX:	----------MALE----------						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	60	60	70	70	40	40
** FROM PREVIOUS PAGE **								
CAVITY, ORAL (OC)	NUMBER EXAMINED:	0	1	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--HEMORRHAGE		0	1	0	0	0	0	0
--INFLAMMATION, ACUTE		0	1	0	0	0	0	0
HEMATO NEOPLASIA (HN)	NUMBER EXAMINED:	55	28	28	60	3	30	1
	NOT REMARKABLE:	53	26	27	56	3	29	1
--M-LYMPHOMA		2	1	0	2	0	1	0
--M-MALIGNANT FIBROUS HISTIOCYTOMA		0	0	0	1	0	0	0
--M-SARCOMA, HISTIOCYTIC		0	1	1	1	0	0	0
MESENTERY (MY)	NUMBER EXAMINED:	1	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--HEMORRHAGE		1	0	0	0	0	0	0
LN, ANT MES/PANC (AP)	NUMBER EXAMINED:	1	2	1	1	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--DILATATION, SINUSOIDAL		0	0	1	0	0	0	0
--HEMORRHAGE		0	1	1	1	0	0	0
--INFILTRATE, MACROPHAGE, PIGMENTED		0	0	0	1	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	1	0	0	0	0	0
--N-ISLET CELL CARCINOMA		0	0	1	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
	SEX:	----------MALE----------						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	60	60	70	70	40	40
LN, LUMBAR/ILIAC (LM) ...	NUMBER EXAMINED:	4	9	4	4	0	1	0
	NOT REMARKABLE:	0	2	0	0	0	1	0
--DILATATION, SINUSOIDAL		3	6	3	4	0	0	0
--HEMORRHAGE		0	0	1	0	0	0	0
--HYPERPLASIA, LYMPHOCYTIC		0	1	2	2	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0	0	0	0	0	0
LN, RENAL (RL) ...	NUMBER EXAMINED:	3	1	1	2	0	1	0
	NOT REMARKABLE:	0	0	0	0	0	1	0
--DILATATION, SINUSOIDAL		2	1	0	1	0	0	0
--FIBROSIS		0	0	0	1	0	0	0
--HEMORRHAGE		2	0	1	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0	0	1	0	0	0
MAMMARY, MALE (MM) ...	NUMBER EXAMINED:	17	9	6	13	0	6	0
	NOT REMARKABLE:	0	0	0	2	0	0	0
--GALACTOCELE		12	6	4	5	0	3	0
--HEMORRHAGE		1	0	0	0	0	0	0
--MINERALIZATION		1	2	0	0	0	1	0
--NECROSIS		1	0	0	0	0	0	0
--PIGMENT		2	2	2	4	0	3	0
--B-ADENOMA		0	0	0	1	0	0	0
--B-FIBROADENOMA		3	1	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0	0	1	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		----------MALE----------						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		70	60	60	70	70	40	40
LN, AXILLARY (AX)	NUMBER EXAMINED:	2	3	0	3	0	1	0
	NOT REMARKABLE:	2	2	0	2	0	1	0
--HEMORRHAGE		0	0	0	1	0	0	0
--HYPERPLASIA, LYMPHOCYTIC		0	1	0	0	0	0	0
CALVARIUM/SKULL (CA)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
TAIL (TI)	NUMBER EXAMINED:	2	4	1	3	0	3	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--CYST, EPIDERMAL INCLUSION		1	2	1	1	0	1	0
--EROSION		2	3	0	0	0	1	0
--EXOSTOSES		0	0	0	1	0	0	0
--FIBROSIS		1	0	0	0	0	0	0
--HEMORRHAGE		0	0	0	1	0	0	0
--INFLAMMATION, ACUTE		2	3	0	1	0	1	0
--NECROSIS		0	0	0	0	0	1	0
--B-KERATOACANTHOMA		0	1	0	0	0	0	0
ANUS (AN)	NUMBER EXAMINED:	0	0	0	0	0	1	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--NECROSIS, MUSCULAR		0	0	0	0	0	1	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		MALE						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		70	60	60	70	70	40	40
FOOT/FOOTPAD(S) (FP)	NUMBER EXAMINED:	11	7	12	7	0	10	0
	NOT REMARKABLE:	1	0	0	0	0	0	0
--EDEMA		4	2	9	2	0	2	0
--EROSION		8	7	12	7	0	7	0
--EXOSTOSES		3	4	2	3	0	4	0
--FIBROSIS		3	5	10	4	0	6	0
--HEMORRHAGE		0	0	0	1	0	0	0
--INFLAMMATION, ACUTE		9	7	11	6	0	9	0
--INFLAMMATION, CHRONIC ACTIVE		1	0	1	1	0	1	0
--PIGMENT		0	0	0	0	0	2	0
LN, INGUINAL (IN)	NUMBER EXAMINED:	0	0	1	0	0	0	0
	NOT REMARKABLE:	0	0	1	0	0	0	0
JOINT, OTHER (JT)	NUMBER EXAMINED:	1	1	1	1	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--DISLOCATION		1	0	0	0	0	0	0
--EDEMA		1	1	1	0	0	0	0
--EXOSTOSES		0	1	1	1	0	0	0
--FIBROSIS		0	1	0	0	0	0	0
--HEMORRHAGE		1	0	0	0	0	0	0
--INFLAMMATION, ACUTE		0	1	1	0	0	0	0
--INFLAMMATION, CHRONIC		0	0	0	1	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE, SYNOVIAL		1	0	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---						
SEX:		MALE						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		70	60	60	70	70	40	40
ADIPOSE TISSUE (AT)	NUMBER EXAMINED:	1	1	0	1	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--INFLAMMATION, CHRONIC		0	1	0	0	0	0	0
--INFLAMMATION, CHRONIC ACTIVE		1	0	0	0	0	0	0
--B-LIPOMA		0	1	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	1	0	0	0
AORTA (AO)	NUMBER EXAMINED:	3	0	1	0	0	0	0
	NOT REMARKABLE:	1	0	0	0	0	0	0
--MINERALIZATION		2	0	1	0	0	0	0
PENIS (PE)	NUMBER EXAMINED:	1	1	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--EDEMA		1	0	0	0	0	0	0
--HEMORRHAGE		1	0	0	0	0	0	0
--INFLAMMATION, CHRONIC ACTIVE		1	0	0	0	0	0	0
--PROLAPSE		1	1	0	0	0	0	0
PREPUTIAL GLAND (PG)	NUMBER EXAMINED:	0	1	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--INFLAMMATION, CHRONIC		0	1	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		MALE						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		70	60	60	70	70	40	40
AUDITORY SEB GL (AS)	NUMBER EXAMINED:	0	1	0	0	0	1	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--INFLAMMATION, ACUTE		0	0	0	0	0	1	0
--M-CARCINOMA		0	1	0	0	0	1	0
AORTIC ARCH (AA)	NUMBER EXAMINED:	1	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--MINERALIZATION		1	0	0	0	0	0	0
LN, TRACHEOBRON (TB)	NUMBER EXAMINED:	1	0	0	2	0	0	0
	NOT REMARKABLE:	1	0	0	0	0	0	0
--HEMORRHAGE		0	0	0	1	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	1	0	0	0
URETER (UE)	NUMBER EXAMINED:	0	0	0	0	0	1	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--DILATATION		0	0	0	0	0	1	0
--INFLAMMATION, CHRONIC		0	0	0	0	0	1	0
PINNA (PN)	NUMBER EXAMINED:	0	0	0	0	0	1	0
	NOT REMARKABLE:	0	0	0	0	0	1	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		MALE						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		70	60	60	70	70	40	40
LN, POPLITEAL (PP)	NUMBER EXAMINED:	1	2	1	0	0	0	0
	NOT REMARKABLE:	0	1	0	0	0	0	0
--DILATATION, SINUSOIDAL		0	0	1	0	0	0	0
--HYPERPLASIA, LYMPHOCYTIC		0	1	1	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0	0	0	0	0	0
CAVITY, THORACIC (TA)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
SUBCUTANEOUS TIS (SQ)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
TONGUE (TO)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
LN, OTHER (LN)	NUMBER EXAMINED:	0	0	0	1	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--DILATATION, SINUSOIDAL		0	0	0	1	0	0	0
--INFILTRATE, MACROPHAGE, PIGMENTED		0	0	0	1	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
TABLE INCLUDES: SEX=ALL;GROUP=ALL;WEEKS=ALL DEATH=ALL;FIND=ALL;SUBSET=ALL	SEX:	----------MALE----------						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	60	60	70	70	40	40
DIAPHRAGM (DP)	NUMBER EXAMINED:	1	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--B-FIBROMA		1	0	0	0	0	0	0
BILE DUCT (BD)	NUMBER EXAMINED:	0	1	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--DILATED		0	1	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER-OF-ANIMALS-AFFECTED ---						
SEX:		FEMALE						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		70	60	60	70	70	40	40
** TOP OF LIST **								
EYE (EY)	NUMBER EXAMINED:	65	42	40	65	5	28	0
	NOT REMARKABLE:	63	41	40	59	5	26	0
--HEMORRHAGE		0	0	0	1	0	0	0
--HYPERPLASIA, CORNEAL EPITHELIUM		0	0	0	1	0	0	0
--INFLAMMATION, ACUTE		1	0	0	1	0	0	0
--INFLAMMATION, ACUTE, CILIARY		0	0	0	1	0	0	0
--INFLAMMATION, ACUTE, CORNEAL		0	0	0	1	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE, CORNEAL		0	0	0	0	0	1	0
--MINERALIZATION, CORNEAL		0	1	0	0	0	0	0
--ONE EXAMINED		0	0	0	1	0	0	0
--SYNECHIA, ANTERIOR		0	0	0	0	0	1	0
--ULCERATION, CORNEAL		2	0	0	1	0	0	0
--VASCULARIZATION, CORNEAL		0	0	0	2	0	2	0
BRAIN (BR)	NUMBER EXAMINED:	65	48	48	65	5	34	0
	NOT REMARKABLE:	27	10	12	33	5	10	0
--COMPRESSION, VENTRAL		37	37	36	31	0	23	0
--DILATATION, VENTRICULAR		25	27	26	19	0	13	0
--HEMORRHAGE		4	7	7	4	0	2	0
--PIGMENT		0	0	1	0	0	0	0
--VACUOLATION, WHITE MATTER		0	0	0	0	0	1	0
--M-ASTROCYTOMA		1	0	0	0	0	0	0
--I-PITUITARY CARCINOMA		0	0	0	0	0	1	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
TABLE INCLUDES: SEX=ALL;GROUP=ALL;WEEKS=ALL; DEATH=ALL;FIND=ALL;SUBSET=ALL	SEX:	----------FEMALE----------						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	60	60	70	70	40	40
LIVER (LI)	NUMBER EXAMINED:	65	55	55	65	5	40	0
	NOT REMARKABLE:	35	18	29	17	0	16	0
--CYST		1	0	0	2	0	0	0
--CYST, BILIARY		0	1	0	0	0	0	0
--DEGENERATION, CYSTIC		0	2	0	2	0	1	0
--FIBROSIS		0	3	1	0	0	1	0
--FIBROSIS, CAPSULAR		1	0	0	0	0	0	0
--FOCUS, ALTERED HEPATOCELLULAR, CLEAR CELL		0	0	1	1	0	0	0
--FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC		3	7	2	7	0	2	0
--FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC		0	2	2	1	0	0	0
--HEMATOPOIESIS, EXTRAMEDULLARY		1	1	0	3	0	1	0
--HEMORRHAGE		4	2	4	0	1	3	0
--HYPERPLASIA, BILE DUCT		4	3	6	13	0	1	0
--HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR		1	0	0	14	5	0	0
--INFLAMMATION, CHRONIC		9	16	10	19	0	8	0
--INFLAMMATION, CHRONIC-ACTIVE		0	1	0	0	0	0	0
--LIPIDOSIS, SUBCAPSULAR (TENSION LIPIDOSIS)		0	1	0	0	0	2	0
--MINERALIZATION		1	0	0	0	0	0	0
--NECROSIS, HEPATOCELLULAR		5	4	4	6	1	3	0
--NECROSIS, INDIVIDUAL HEPATOCYTE		0	0	0	1	0	0	0
--PIGMENT		0	1	0	1	0	0	0
--PIGMENT, HEPATOCELLULAR		0	0	0	0	0	1	0
--PIGMENT, KUPFFER CELL		0	0	0	1	0	0	0
--STASIS, BILE		0	0	0	2	0	0	0
--TELANGIECTASIS		3	6	1	4	0	5	0
--THROMBUS		0	0	0	1	0	1	0
--VACUOLATION, HEPATOCELLULAR		13	14	8	26	0	8	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
	SEX:	----------FEMALE----------						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	60	60	70	70	40	40
** FROM PREVIOUS PAGE **								
LIVER (LI)	NUMBER EXAMINED:	65	55	55	65	5	40	0
	NOT REMARKABLE:	35	18	29	17	0	16	0
--B-ADENOMA, HEPATOCELLULAR		0	1	3	6	0	3	0
--M-CARCINOMA, HEPATOCELLULAR		0	0	0	1	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	0	0	1	0
LIVER, OIL RED O (LI1)	NUMBER EXAMINED:	5	0	0	5	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--POSITIVE OIL RED O STAINING		5	0	0	5	0	0	0
KIDNEY (KD)	NUMBER EXAMINED:	65	55	55	65	5	40	0
	NOT REMARKABLE:	15	7	15	23	4	4	0
--BACTERIAL COLONIES		0	0	0	0	0	1	0
--CAST, PROTEINACEOUS		14	20	14	18	0	12	0
--CYST		3	0	0	4	0	0	0
--DILATATION, PELVIC		5	2	3	0	0	3	0
--HEMORRHAGE		0	1	0	1	0	0	0
--HYPERPLASIA, TRANSITIONAL CELL		0	1	0	0	0	1	0
--INFARCT		0	0	0	0	0	1	0
--INFLAMMATION, CHRONIC		2	0	0	1	0	0	0
--MINERALIZATION, PELVIC		37	34	28	29	0	27	0
--MINERALIZATION, TUBULAR		9	7	5	2	1	4	0
--NEPHROPATHY, CHRONIC PROGRESSIVE		10	6	3	6	0	6	0
--PYELONEPHRITIS		2	2	1	3	0	3	0
--B-LIPOMA		0	0	0	0	0	1	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
	SEX:	----------FEMALE----------						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	60	60	70	70	40	40
SPLEEN (SP)	NUMBER EXAMINED:	65	42	40	65	5	28	0
	NOT REMARKABLE:	57	37	33	58	5	21	0
--FIBROSIS, CAPSULAR		0	1	0	0	0	0	0
--HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED		5	2	2	6	0	6	0
--PIGMENT, INCREASED		3	1	5	1	0	1	0
--B-HEMANGIOMA		0	1	0	0	0	0	0
PANCREAS (PA)	NUMBER EXAMINED:	65	55	55	65	5	40	0
	NOT REMARKABLE:	56	48	48	59	5	35	0
--ATROPHY, ACINAR		5	4	4	5	0	4	0
--HEMORRHAGE		1	1	0	0	0	0	0
--HYPERPLASIA, ACINAR		1	0	0	0	0	0	0
--HYPERPLASIA, ISLET CELLS		1	0	0	0	0	0	0
--PIGMENT		2	0	2	1	0	0	0
--B-ADENOMA, ISLET CELL		1	4	1	1	0	1	0
--I-ENDOMETRIAL STROMAL SARCOMA		0	1	0	0	0	0	0
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	65	46	44	65	5	30	0
	NOT REMARKABLE:	15	8	7	30	5	3	0
--ANGIECTASIS		34	32	24	18	0	16	0
--ATROPHY, CORTICAL		0	0	0	1	0	1	0
--CYST		0	1	0	0	0	0	0
--DEGENERATION, CYSTIC, CORTICAL		17	17	19	14	0	14	0
--FIBROSIS		0	0	0	2	0	0	0
--HEMATOPOIESIS, EXTRAMEDULLARY		0	0	0	0	0	1	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
TABLE INCLUDES: SEX=ALL;GROUP=ALL;WEEKS=ALL; DEATH=ALL;FIND=ALL;SUBSET=ALL	SEX:	----------FEMALE----------						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	60	60	70	70	40	40
** FROM PREVIOUS PAGE **								
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	65	46	44	65	5	30	0
	NOT REMARKABLE:	15	8	7	30	5	3	0
--HEMORRHAGE		48	37	34	26	0	20	0
--HYPERPLASIA, CORTICAL		0	0	0	2	0	0	0
--HYPERTROPHY, CORTICAL CELL		2	0	2	0	0	0	0
--MINERALIZATION		1	1	0	1	0	2	0
--NECROSIS, CORTICAL		0	0	0	0	0	1	0
--ONE EXAMINED		1	0	0	0	0	0	0
--PIGMENT		7	4	4	2	0	2	0
--THROMBUS		6	6	2	4	0	4	0
--VACUOLATION		4	2	3	6	0	1	0
--B-ADENOMA		2	0	3	2	0	1	0
--M-CARCINOMA		0	0	0	0	0	1	0
ADRENAL, MEDULLA (MA)	NUMBER EXAMINED:	65	45	44	65	5	30	0
	NOT REMARKABLE:	64	42	43	61	5	28	0
--ONE EXAMINED		1	0	0	1	0	1	0
--VACUOLATION		0	0	0	1	0	1	0
--B-PHEOCHROMOCYTOMA		0	2	1	2	0	1	0
--M-MALIGNANT PHEOCHROMOCYTOMA		0	1	0	0	0	0	0
LN, MESENTERIC (MS)	NUMBER EXAMINED:	64	41	43	64	5	28	0
	NOT REMARKABLE:	57	39	35	60	5	25	0
--DILATATION, SINUSOIDAL		0	0	1	2	0	0	0
--EDEMA		1	0	1	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
TABLE INCLUDES: SEX=ALL;GROUP=ALL;WEEKS=ALL; DEATH=ALL;FIND=ALL;SUBSET=ALL	SEX:	----------FEMALE----------						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	60	60	70	70	40	40
** FROM PREVIOUS PAGE **								
LN, MESENTERIC (MS)	NUMBER EXAMINED:	64	41	43	64	5	28	0
	NOT REMARKABLE:	57	39	35	60	5	25	0
--HEMORRHAGE		2	0	3	3	0	1	0
--INFILTRATE, MACROPHAGE, PIGMENTED		5	2	7	1	0	2	0
OVARY (OV)	NUMBER EXAMINED:	65	47	44	65	5	32	0
	NOT REMARKABLE:	52	30	33	37	5	22	0
--CYST		9	13	11	18	0	10	0
--HEMORRHAGE		1	3	0	6	0	0	0
--MINERALIZATION		2	2	0	3	0	0	0
--ONE EXAMINED		1	1	0	2	0	1	0
--PIGMENTED		0	0	0	3	0	0	0
--THROMBUS		0	0	0	2	0	0	0
--B-GRANULOSA/THECA CELL TUMOR		0	0	0	1	0	0	0
TESTIS (TE)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
BONE, FEMUR (FE)	NUMBER EXAMINED:	55	37	35	60	0	27	0
	NOT REMARKABLE:	55	37	35	60	0	27	0

Incidence of Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		FEMALE						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		70	60	60	70	70	40	40
MARROW, FEMUR (FM)	NUMBER EXAMINED:	55	37	35	60	0	27	0
	NOT REMARKABLE:	54	37	35	60	0	27	0
--HEMORRHAGE		1	0	0	0	0	0	0
MARROW, STERNUM (SE)	NUMBER EXAMINED:	55	37	35	60	0	28	0
	NOT REMARKABLE:	55	37	35	60	0	28	0
BONE, STERNUM (SB)	NUMBER EXAMINED:	55	37	35	60	0	28	0
	NOT REMARKABLE:	54	37	35	57	0	28	0
--HYPERPLASIA, CARTILAGE		1	0	0	3	0	0	0
SPINAL CORD (SC)	NUMBER EXAMINED:	55	37	35	60	0	28	0
	NOT REMARKABLE:	55	37	34	60	0	27	0
--HEMORRHAGE		0	0	1	0	0	1	0
THYMUS (TH)	NUMBER EXAMINED:	55	36	35	59	0	25	0
	NOT REMARKABLE:	39	27	24	34	0	19	0
--CYST		12	7	10	21	0	5	0
--DEPLETION, LYMPHOCYTIC		1	0	1	0	0	0	0
--FIBROSIS		0	0	0	1	0	0	0
--HEMORRHAGE		3	2	0	0	0	1	0
--M-THYMIC CARCINOMA		0	0	0	2	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0	0	1	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
TABLE INCLUDES: SEX=ALL;GROUP=ALL;WEEKS=ALL; DEATH=ALL;FIND=ALL;SUBSET=ALL	SEX:	----------FEMALE----------						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	60	60	70	70	40	40
LUNG (LU)	NUMBER EXAMINED:	55	50	50	60	0	40	0
	NOT REMARKABLE:	41	35	36	38	0	19	0
--EDEMA, ALVEOLAR		0	1	0	0	0	1	0
--FIBROSIS, PLEURAL/SUBPLEURAL		1	0	0	0	0	0	0
--FOREIGN BODY		0	0	1	0	0	0	0
--HEMORRHAGE		0	1	2	1	0	4	0
--HYPERPLASIA, TYPE II PNEUMOCYTE		0	2	0	0	0	1	0
--INFLAMMATION, CHRONIC		2	0	0	2	0	5	0
--INFLAMMATION, CHRONIC-ACTIVE		0	1	1	0	0	0	0
--INFLAMMATION, GRANULOMATOUS		0	0	1	0	0	0	0
--INFILTRATE, MACROPHAGE, ALVEOLAR		8	2	5	12	0	9	0
--INFILTRATE, MACROPHAGE, PIGMENTED		0	0	1	1	0	0	0
--MINERALIZATION		0	2	0	1	0	4	0
--MINERALIZATION, VASCULAR		6	8	6	7	0	8	0
--NECROSIS		0	0	0	0	0	1	0
--THROMBUS		0	0	0	1	0	0	0
--N-ADRENAL CORTICAL CARCINOMA		0	0	0	0	0	1	0
--N-MALIGNANT PHEOCHROMOCYTOMA		0	1	0	0	0	0	0
--N-MAMMARY CARCINOMA		0	0	0	1	0	1	0
HEART (HT)	NUMBER EXAMINED:	55	37	35	60	0	28	0
	NOT REMARKABLE:	46	32	30	58	0	28	0
--DEGENERATION/NECROSIS		9	5	4	2	0	0	0
--FIBROSIS		5	1	3	2	0	0	0
--MINERALIZATION		0	0	1	1	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		FEMALE						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		70	60	60	70	70	40	40
MUSCLE, SKELETAL (SM)	NUMBER EXAMINED:	55	37	35	60	0	28	0
	NOT REMARKABLE:	54	37	34	60	0	28	0
--DEGENERATION/NECROSIS		1	0	1	0	0	0	0
NERVE, SCIATIC (SN)	NUMBER EXAMINED:	54	37	35	60	0	28	0
	NOT REMARKABLE:	54	37	35	60	0	28	0
TRACHEA (TR)	NUMBER EXAMINED:	55	37	35	60	0	28	0
	NOT REMARKABLE:	55	37	35	60	0	28	0
ESOPHAGUS (ES)	NUMBER EXAMINED:	55	37	35	60	0	28	0
	NOT REMARKABLE:	55	37	35	60	0	28	0
THYROID (TY)	NUMBER EXAMINED:	55	50	50	60	0	40	0
	NOT REMARKABLE:	33	25	34	31	0	25	0
--CYST, FOLLICULAR		2	2	0	3	0	1	0
--CYST, ULTIMOBRANCHIAL		13	11	7	13	0	9	0
--HEMORRHAGE		2	6	1	2	0	1	0
--HYPERPLASIA, C-CELL		1	0	1	2	0	1	0
--HYPERPLASIA, FOLLICULAR CELL		0	0	0	0	0	1	0
--INFLAMMATION, CHRONIC		0	0	0	0	0	1	0
--ONE EXAMINED		0	0	0	1	0	0	0
--B-ADENOMA, C-CELL		8	13	8	11	0	8	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
	SEX:	----------FEMALE----------						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	60	60	70	70	40	40
** FROM PREVIOUS PAGE **								
THYROID (TY)	NUMBER EXAMINED:	55	50	50	60	0	40	0
	NOT REMARKABLE:	33	25	34	31	0	25	0
--B-ADENOMA, FOLLICULAR CELL		1	0	2	4	0	1	0
--M-CARCINOMA, C-CELL		1	0	0	0	0	0	0
PARATHYROID (PT)	NUMBER EXAMINED:	52	34	34	58	0	27	0
	NOT REMARKABLE:	51	34	34	58	0	27	0
--B-ADENOMA		1	0	0	0	0	0	0
PITUITARY (PI)	NUMBER EXAMINED:	55	48	49	59	0	38	0
	NOT REMARKABLE:	7	1	1	12	0	2	0
--CYST		2	4	5	6	0	1	0
--HEMORRHAGE		33	37	38	30	0	25	0
--HYPERPLASIA		0	0	0	0	0	1	0
--NECROSIS		0	1	0	0	0	0	0
--PIGMENT		5	8	8	7	0	4	0
--B-ADENOMA		48	46	48	45	0	34	0
--M-CARCINOMA		0	0	0	0	0	1	0
HARDERIAN GLAND (HG)	NUMBER EXAMINED:	55	37	35	59	0	28	0
	NOT REMARKABLE:	44	31	27	51	0	26	0
--HEMORRHAGE		1	0	0	0	0	0	0
--INFLAMMATION, CHRONIC		10	6	8	8	0	2	0
--ONE EXAMINED		1	0	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
TABLE INCLUDES:								
SEX=ALL;GROUP=ALL;WEEKS=ALL	SEX:	----------FEMALE----------						
DEATH=ALL;FIND=ALL;SUBSET=ALL								
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	60	60	70	70	40	40
SALIV GL, MANDIB (SG)	NUMBER EXAMINED:	55	37	35	59	0	27	0
	NOT REMARKABLE:	55	37	35	59	0	27	0
STOMACH, GL (ST)	NUMBER EXAMINED:	55	37	35	60	0	33	0
	NOT REMARKABLE:	51	36	32	52	0	32	0
--CYST		0	0	0	0	0	1	0
--EDEMA		3	0	1	3	0	0	0
--EROSION		1	1	2	5	0	0	0
--MINERALIZATION		0	0	1	1	0	0	0
--INFLAMMATION, ACUTE		0	0	1	0	0	0	0
STOMACH, NONGL (SU)	NUMBER EXAMINED:	55	37	35	60	0	28	0
	NOT REMARKABLE:	47	32	32	56	0	23	0
--EDEMA		7	5	3	4	0	4	0
--EROSION		2	3	0	2	0	2	0
--FIBROSIS		1	0	0	0	0	0	0
--HEMORRHAGE		1	0	0	2	0	0	0
--HYPERKERATOSIS, NONGLANDULAR MUCOSA		1	0	0	0	0	0	0
--INFLAMMATION, ACUTE		2	4	0	4	0	2	0
--INFLAMMATION, CHRONIC-ACTIVE		3	0	0	0	0	0	0
--ULCERATION		2	0	0	2	0	1	0
DUODENUM (DU)	NUMBER EXAMINED:	55	37	35	60	0	28	0
	NOT REMARKABLE:	55	37	35	60	0	28	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
	SEX:	----------FEMALE----------						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	60	60	70	70	40	40
JEJUNUM (JE)	NUMBER EXAMINED:	54	38	33	59	0	26	0
	NOT REMARKABLE:	53	36	33	59	0	25	0
--CYST, KERATIN		0	0	0	0	0	1	0
--DIVERTICULUM		0	1	0	0	0	0	0
--HYPERPLASIA, GALT (GUT ASSOCIATED LYMPHOID TISSUE)		0	1	0	0	0	0	0
--B-ANGIOMA		1	0	0	0	0	0	0
ILEUM (IL)	NUMBER EXAMINED:	52	37	34	60	0	27	0
	NOT REMARKABLE:	52	36	34	60	0	27	0
--HYPERPLASIA, GALT (GUT ASSOCIATED LYMPHOID TISSUE)		0	1	0	0	0	0	0
CECUM (CE)	NUMBER EXAMINED:	54	37	35	60	0	28	0
	NOT REMARKABLE:	52	37	35	60	0	28	0
--HEMORRHAGE		1	0	0	0	0	0	0
--PARASITISM		1	0	0	0	0	0	0
COLON (CO)	NUMBER EXAMINED:	55	37	35	60	0	28	0
	NOT REMARKABLE:	54	37	35	59	0	28	0
--EDEMA		0	0	0	1	0	0	0
--PARASITISM		1	0	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
TABLE INCLUDES: SEX=ALL;GROUP=ALL;WEEKS=ALL; DEATH=ALL;FIND=ALL;SUBSET=ALL	SEX:	----------FEMALE----------						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	60	60	70	70	40	40
RECTUM (RE)	NUMBER EXAMINED:	55	37	35	60	0	27	0
	NOT REMARKABLE:	53	35	32	58	0	27	0
--PARASITISM		2	2	3	2	0	0	0
SKIN (SK)	NUMBER EXAMINED:	54	39	36	60	0	28	0
	NOT REMARKABLE:	47	34	28	53	0	22	0
--ACUTE INFLAMMATORY EXUDATE		0	1	0	0	0	0	0
--ATROPHY, ADNEXAL		0	0	0	1	0	1	0
--CYST, EPIDERMAL INCLUSION		1	0	0	0	0	0	0
--EDEMA		0	0	1	0	0	1	0
--FAT NECROSIS		1	0	0	0	0	0	0
--FIBROSIS		0	0	0	1	0	0	0
--HEMORRHAGE		1	1	1	2	0	0	0
--INFLAMMATION, ACUTE		4	3	3	3	0	2	0
--INFLAMMATION, CHRONIC		0	0	1	1	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		1	0	0	2	0	2	0
--ULCERATION		4	3	4	5	0	5	0
--B-FIBROMA		0	0	1	0	0	0	0
--B-KERATOACANTHOMA		0	0	1	0	0	0	0
--B-LIPOMA		1	0	0	0	0	0	0
--B-PAPILLOMA, SQUAMOUS CELL		0	0	0	0	0	1	0
--M-FIBROSARCOMA		0	1	1	0	0	0	0
--M-SEBACEOUS GLAND CARCINOMA		0	1	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	0	0	1	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
	SEX:	----------FEMALE----------						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	60	60	70	70	40	40
MAMMARY, FEMALE (MF)	NUMBER EXAMINED:	54	50	50	60	0	40	0
	NOT REMARKABLE:	9	7	10	23	0	5	0
--EDEMA		0	0	0	0	0	1	0
--GALACTOCELE		33	32	34	28	0	27	0
--HEMORRHAGE		5	4	7	8	0	3	0
--HYPERPLASIA, GLANDULAR		1	0	2	2	0	0	0
--INFLAMMATION, ACUTE		0	1	4	3	0	0	0
--INFLAMMATION, CHRONIC		0	0	1	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		0	0	1	0	0	1	0
--MINERALIZATION		6	8	8	6	0	4	0
--NECROSIS		2	2	4	2	0	0	0
--PIGMENT		3	3	6	3	0	1	0
--B-ADENOMA		6	4	6	3	0	4	0
--B-FIBROADENOMA		23	21	16	13	0	12	0
--M-CARCINOMA		9	9	15	11	0	6	0
--M-FIBROSARCOMA		1	0	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	0	0	1	0
URINARY BLADDER (UB)	NUMBER EXAMINED:	55	50	49	60	0	40	0
	NOT REMARKABLE:	53	50	49	58	0	38	0
--HYPERPLASIA, TRANSITIONAL CELL		0	0	0	0	0	1	0
--INFLAMMATION, CHRONIC		0	0	0	2	0	2	0
--B-LEIOMYOMA		1	0	0	0	0	0	0
--M-CARCINOMA, TRANSITIONAL CELL		1	0	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
	SEX:	----------FEMALE----------						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	60	60	70	70	40	40
CERVIX (CV)	NUMBER EXAMINED:	55	39	35	60	0	29	0
	NOT REMARKABLE:	52	35	33	58	0	24	0
--CYST		1	0	0	0	0	0	0
--DILATATION		1	1	0	1	0	1	0
--HEMORRHAGE		0	1	0	0	0	1	0
--HYPERTROPHY, SMOOTH MUSCLE		0	1	1	0	0	0	0
--INFLAMMATION, ACUTE		0	0	0	0	0	1	0
--NECROSIS		0	1	0	0	0	0	0
--PIGMENT		1	0	0	0	0	0	0
--B-LEIOMYOMA		0	0	0	1	0	1	0
--B-POLYP, ENDOMETRIAL STROMAL		1	2	0	1	0	3	0
--M-LEIOMYOSARCOMA		0	0	0	0	0	1	0
--M-SARCOMA, ENDOMETRIAL STROMAL		0	1	1	0	0	0	0
UTERUS (UT)	NUMBER EXAMINED:	55	41	39	60	0	32	0
	NOT REMARKABLE:	37	27	28	39	0	22	0
--CYST, KERATIN		0	0	0	1	0	0	0
--DILATATION		15	11	8	12	0	7	0
--HEMORRHAGE		0	0	1	2	0	1	0
--HYPERPLASIA, CYSTIC, ENDOMETRIAL		3	3	1	7	0	4	0
--HYPERPLASIA, ENDOMETRIAL		1	0	0	1	0	0	0
--INFLAMMATION, ACUTE		0	0	1	1	0	1	0
--INFLAMMATION, CHRONIC		2	0	0	0	0	0	0
--NECROSIS		0	0	0	0	0	1	0
--PIGMENT		1	0	0	1	0	0	0
--B-LEIOMYOMA		1	0	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---						
SEX:		FEMALE						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		70	60	60	70	70	40	40
** FROM PREVIOUS PAGE **								
UTERUS (UT)	NUMBER EXAMINED:	55	41	39	60	0	32	0
	NOT REMARKABLE:	37	27	28	39	0	22	0
--B-POLYP, ENDOMETRIAL, STROMAL		2	2	2	3	0	1	0
--M-CARCINOMA		0	0	1	0	0	0	0
--M-HEMANGIOSARCOMA		1	0	0	0	0	0	0
--M-LEIOMYOSARCOMA		0	0	0	1	0	0	0
VAGINA (VA)	NUMBER EXAMINED:	55	37	36	58	0	28	0
	NOT REMARKABLE:	54	35	34	58	0	27	0
--HEMORRHAGE		0	1	0	0	0	0	0
--B-LEIOMYOMA		1	0	0	0	0	0	0
--B-PAPILLOMA, SQUAMOUS CELL		0	1	0	0	0	0	0
--M-CARCINOMA, SQUAMOUS CELL		0	0	1	0	0	0	0
--I-ENDOMETRIAL STROMAL SARCOMA		0	0	1	0	0	0	0
--I-LEIOMYOSARCOMA		0	0	0	0	0	1	0
PROSTATE (PR)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
SEMINAL VESICLES (SV)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0

Incidence of Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER-OF-ANIMALS-AFFECTED ---						
SEX:		FEMALE						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		70	60	60	70	70	40	40
EPIDIDYMIDES (EP)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
CAUSE OF DEATH (CD)	NUMBER EXAMINED:	70	60	60	70	70	40	40
	NOT REMARKABLE:	0	0	0	0	0	0	0
--SCHEDULED SACRIFICE		33	23	25	39	70	12	40
--ASTROCYTOMA		1	0	0	0	0	0	0
--C-CELL CARCINOMA		1	0	0	0	0	0	0
--CHRONIC PROGRESSIVE NEPHROPATHY		0	0	0	0	0	1	0
--ENDOMETRIAL STROMAL POLYP		0	0	0	0	0	2	0
--ENDOMETRIAL STROMAL SARCOMA		0	1	1	0	0	0	0
--FIBROMA		0	0	1	0	0	0	0
--FIBROSARCOMA		0	1	1	0	0	0	0
--FRACTURE, CALVARIUM		0	0	0	1	0	0	0
--HEMANGIOSARCOMA		1	0	0	0	0	0	0
--HEPATOCELLULAR ADENOMA		0	0	1	0	0	0	0
--KERATIN CYST		0	0	0	0	0	1	0
--KERATOACANTHOMA		0	0	1	0	0	0	0
--LIPOMA		1	0	0	0	0	0	0
--LIPOSARCOMA		0	0	1	0	0	0	0
--MALIGNANT FIBROUS HISTIOSARCOMA		0	0	0	0	0	1	0
--MALIGNANT LYMPHOMA		1	0	0	0	0	0	0
--MAMMARY CARCINOMA		0	3	6	3	0	2	0
--MAMMARY FIBROADENOMA		5	4	0	1	0	1	0
--PITUITARY ADENOMA		27	28	22	17	0	18	0
--PITUITARY CARCINOMA		0	0	0	1	0	1	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
	SEX:	----------FEMALE----------						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	60	60	70	70	40	40
** FROM PREVIOUS PAGE **								
CAUSE OF DEATH (CD) ... NUMBER EXAMINED:		70	60	60	70	70	40	40
NOT REMARKABLE:		0	0	0	0	0	0	0
--RENAL MINERALIZATION		0	0	0	1	0	0	0
--SQUAMOUS CELL CARCINOMA		0	0	1	0	0	0	0
--THYMIC CARCINOMA		0	0	0	1	0	0	0
--UNDETERMINED		0	0	0	5	0	1	0
--UTERINE HEMORRHAGE		0	0	0	1	0	0	0
LN, MANDIBULAR (MN) ... NUMBER EXAMINED:		9	6	9	9	0	10	0
NOT REMARKABLE:		4	2	3	4	0	3	0
--DILATATION, SINUSOIDAL		0	0	1	0	0	2	0
--HEMORRHAGE		4	2	5	4	0	5	0
--HYPERPLASIA, LYMPHOCYTIC		1	2	1	1	0	2	0
--INFILTRATE, MACROPHAGE, PIGMENTED		0	1	0	0	0	0	0
LN, MEDIASTINAL (ML) ... NUMBER EXAMINED:		3	2	5	7	1	4	0
NOT REMARKABLE:		0	0	1	0	0	1	0
--HEMORRHAGE		2	2	1	4	1	3	0
--INFILTRATE, MACROPHAGE, PIGMENTED		2	1	4	6	0	2	0
CAVITY, ABDOM (PC) ... NUMBER EXAMINED:		0	4	1	3	0	2	0
NOT REMARKABLE:		0	0	0	0	0	0	0
--FIBROSIS		0	0	0	1	0	0	0
--HEMORRHAGE		0	1	0	1	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---						
SEX:		FEMALE						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		70	60	60	70	70	40	40
** FROM PREVIOUS PAGE **								
CAVITY, ABDOM (PC)	NUMBER EXAMINED:	0	4	1	3	0	2	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--INFLAMMATION, CHRONIC		0	0	0	1	0	0	0
--MINERALIZATION		0	1	0	1	0	0	0
--NECROSIS, FAT		0	3	1	3	0	2	0
--PIGMENT		0	0	0	1	0	0	0
--THROMBUS		0	0	0	1	0	0	0
--I-ENDOMETRIAL STROMAL SARCOMA		0	1	0	0	0	0	0
CAVITY, ORAL (OC)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
HEMATO NEOPLASIA (HN)	NUMBER EXAMINED:	55	37	35	59	0	28	0
	NOT REMARKABLE:	54	37	35	58	0	27	0
--M-LYMPHOMA		1	0	0	1	0	0	0
--M-MALIGNANT FIBROUS HISTIOCYTOMA		0	0	0	0	0	1	0
MESENTERY (MY)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
LN, ANT MES/PANC (AP)	NUMBER EXAMINED:	0	1	0	1	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--HEMORRHAGE		0	1	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

			--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---					
TABLE INCLUDES:								
SEX=ALL;GROUP=ALL;WEEKS=ALL		SEX:	----------FEMALE----------					
DEATH=ALL;FIND=ALL;SUBSET=ALL								
		GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND FINDING DESCRIPTION		NUMBER:	70	60	60	70	70	40	40
** FROM PREVIOUS PAGE **									
LN, ANT MES/PANC (AP)	NUMBER EXAMINED:		0	1	0	1	0	0	0
	NOT REMARKABLE:		0	0	0	0	0	0	0
--INFILTRATE, MACROPHAGE, PIGMENTED			0	0	0	1	0	0	0
LN, LUMBAR/ILIAC (LM)	NUMBER EXAMINED:		5	6	5	4	0	6	0
	NOT REMARKABLE:		3	5	3	4	0	2	0
--DILATATION, SINUSOIDAL			2	0	0	0	0	1	0
--HEMORRHAGE			1	1	1	0	0	2	0
--HYPERPLASIA, LYMPHOCYTIC			1	0	0	0	0	2	0
--N-ENDOMETRIAL STROMAL SARCOMA			0	0	1	0	0	0	0
LN, RENAL (RL)	NUMBER EXAMINED:		1	2	0	2	0	2	0
	NOT REMARKABLE:		0	1	0	0	0	0	0
--HEMORRHAGE			1	1	0	2	0	1	0
--HYPERPLASIA, LYMPHOCYTIC			0	0	0	0	0	1	0
--INFILTRATE, MACROPHAGE, PIGMENTED			0	0	0	1	0	0	0
MAMMARY, MALE (MM)	NUMBER EXAMINED:		0	0	0	0	0	0	0
	NOT REMARKABLE:		0	0	0	0	0	0	0
LN, AXILLARY (AX)	NUMBER EXAMINED:		15	17	18	12	0	6	0
	NOT REMARKABLE:		9	12	11	4	0	4	0
--DILATATION, SINUSOIDAL			0	1	1	1	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
	SEX:	----------FEMALE----------						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	60	60	70	70	40	40
** FROM PREVIOUS PAGE **								
LN, AXILLARY (AX)	NUMBER EXAMINED:	15	17	18	12	0	6	0
	NOT REMARKABLE:	9	12	11	4	0	4	0
--EDEMA		0	0	1	0	0	0	0
--HEMORRHAGE		4	4	3	5	0	0	0
--HYPERPLASIA, LYMPHOCYTIC		2	0	2	2	0	1	0
--INFILTRATE, MACROPHAGE, PIGMENTED		1	1	1	3	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	0	0	1	0
CALVARIUM/SKULL (CA)	NUMBER EXAMINED:	0	1	0	1	0	0	0
	NOT REMARKABLE:	0	1	0	0	0	0	0
--FRACTURE		0	0	0	1	0	0	0
--HEMORRHAGE		0	0	0	1	0	0	0
TAIL (TI)	NUMBER EXAMINED:	0	0	1	3	0	1	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--CYST, EPIDERMAL INCLUSION		0	0	0	3	0	0	0
--EROSION		0	0	1	0	0	1	0
--INFLAMMATION, ACUTE		0	0	1	3	0	1	0
ANUS (AN)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
	SEX:	----------FEMALE----------						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	60	60	70	70	40	40
FOOT/FOOTPAD(S) (FP)	NUMBER EXAMINED:	7	3	3	1	0	4	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--CYST, EPIDERMAL INCLUSION		0	1	0	0	0	0	0
--EDEMA		2	1	0	0	0	1	0
--EROSION		7	2	0	1	0	3	0
--EXOSTOSES		2	1	0	0	0	0	0
--FIBROSIS		5	2	3	0	0	3	0
--HEMORRHAGE		0	1	0	0	0	0	0
--INFLAMMATION, ACUTE		7	3	2	0	0	4	0
--INFLAMMATION, CHRONIC ACTIVE		0	0	1	1	0	0	0
LN, INGUINAL (IN)	NUMBER EXAMINED:	4	4	4	2	0	0	0
	NOT REMARKABLE:	1	3	3	0	0	0	0
--HEMORRHAGE		0	0	0	1	0	0	0
--HYPERPLASIA, LYMPHOCYTIC		1	1	1	0	0	0	0
--INFILTRATE, MACROPHAGE, PIGMENTED		1	0	0	1	0	0	0
--N-MAMMARY CARCINOMA		0	0	0	1	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0	0	0	0	0	0
JOINT, OTHER (JT)	NUMBER EXAMINED:	3	0	1	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--EXOSTOSES		3	0	1	0	0	0	0
--FIBROSIS		1	0	1	0	0	0	0
--INFLAMMATION, CHRONIC		2	0	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---						
SEX:		FEMALE						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		70	60	60	70	70	40	40
ADIPOSE TISSUE (AT)	NUMBER EXAMINED:	1	1	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--FIBROSIS		0	1	0	0	0	0	0
--HEMORRHAGE		0	1	0	0	0	0	0
--I-TRANSITIONAL CELL CARCINOMA		1	0	0	0	0	0	0
AORTA (AO)	NUMBER EXAMINED:	0	0	0	0	0	1	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--MINERALIZATION		0	0	0	0	0	1	0
PENIS (PE)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
PREPUTIAL GLAND (PG)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
AUDITORY SEB GL (AS)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
AORTIC ARCH (AA)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---						
SEX:		FEMALE						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		70	60	60	70	70	40	40
LN, TRACHEOBRON (TB)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
URETER (UE)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
PINNA (PN)	NUMBER EXAMINED:	0	0	0	1	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--HEMORRHAGE		0	0	0	1	0	0	0
LN, POPLITEAL (PP)	NUMBER EXAMINED:	0	0	1	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--DILATATION, SINUSOIDAL		0	0	1	0	0	0	0
CAVITY, THORACIC (TA)	NUMBER EXAMINED:	0	0	1	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--M-LIPOSARCOMA		0	0	1	0	0	0	0
SUBCUTANEOUS TIS (SQ)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
SEX:		FEMALE						
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-7-
NUMBER:		70	60	60	70	70	40	40
TONGUE (TO)	NUMBER EXAMINED:	0	0	0	0	0	1	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
--CYST		0	0	0	0	0	1	0
LN, OTHER (LN)	NUMBER EXAMINED:	0	0	0	0	0	1	0
	NOT REMARKABLE:	0	0	0	0	0	1	0
DIAPHRAGM (DP)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0
BILE DUCT (BD)	NUMBER EXAMINED:	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0

Incidence of Severity of Selected Microscopic Observations

Week 8 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=2;FIND=ALL;SUBSET=T

ORGAN/TISSUE EXAMINED		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
	SEX:	--MALE--		-FEMALE-	
	GROUP:	-1-	-5-	-1-	-5-
	NUMBER:	5	5	5	5
** TOP OF LIST **					
LIVER (LI)	NUMBER EXAMINED:	5	5	5	5
--CYST	->	5	5	5	5
	TL>	5	5	5	5
	MN>	0.0	0.0	0.0	0.0
--CYST, BILIARY	->	5	5	5	5
	TL>	5	5	5	5
	MN>	0.0	0.0	0.0	0.0
--DEGENERATION, CYSTIC	->	5	5	5	5
	TL>	5	5	5	5
	MN>	0.0	0.0	0.0	0.0
--FIBROSIS	->	5	5	5	5
	TL>	5	5	5	5
	MN>	0.0	0.0	0.0	0.0
--FIBROSIS, CAPSULAR	->	5	5	5	5
	TL>	5	5	5	5
	MN>	0.0	0.0	0.0	0.0
--FOCUS, ALTERED HEPATOCELLULAR, CLEAR CELL	->	5	5	5	5
	TL>	5	5	5	5
	MN>	0.0	0.0	0.0	0.0

Incidence of Severity of Selected Microscopic Observations

Week 8 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
TABLE INCLUDES: SEX=ALL;GROUP=1,5;WEEKS=ALL; DEATH=2;FIND=ALL;SUBSET=T	SEX:	--MALE--		-FEMALE-	
	GROUP:	-1-	-5-	-1-	-5-
ORGAN/TISSUE EXAMINED	NUMBER:	5	5	5	5
** FROM PREVIOUS PAGE **					
LIVER (LI)	NUMBER EXAMINED:	5	5	5	5
--FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC	->	5	5	5	5
	TL>	5	5	5	5
	MN>	0.0	0.0	0.0	0.0
--FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC	->	5	5	5	5
	TL>	5	5	5	5
	MN>	0.0	0.0	0.0	0.0
--HEMATOPOIESIS, EXTRAMEDULLARY	->	5	5	5	5
	TL>	5	5	5	5
	MN>	0.0	0.0	0.0	0.0
--HEMORRHAGE	->	5	2	5	4
	1>	0	3	0	0
	3>	0	0	0	1
	TL>	5	5	5	5
	MN>	0.0	0.6	0.0	0.6
--HYPERPLASIA, BILE DUCT	->	5	5	5	5
	TL>	5	5	5	5
	MN>	0.0	0.0	0.0	0.0

Incidence of Severity of Selected Microscopic Observations

Week 8 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
TABLE INCLUDES: SEX=ALL;GROUP=1,5;WEEKS=ALL; DEATH=2;FIND=ALL;SUBSET=T	SEX:	--MALE--		-FEMALE-	
	GROUP:	-1-	-5-	-1-	-5-
ORGAN/TISSUE EXAMINED	NUMBER:	5	5	5	5
** FROM PREVIOUS PAGE **					
LIVER (LI)	NUMBER EXAMINED:	5	5	5	5
--HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR	->	5	0	4	0
	1>	0	0	1	0
	3>	0	5	0	4
	4>	0	0	0	1
	TL>	5	5	5	5
	MN>	0.0	3.0	0.2	3.2
--INFLAMMATION, ACUTE	->	5	5	5	5
	TL>	5	5	5	5
	MN>	0.0	0.0	0.0	0.0
--INFLAMMATION, CHRONIC	->	3	5	5	5
	1>	2	0	0	0
	TL>	5	5	5	5
	MN>	0.4	0.0	0.0	0.0
--INFLAMMATION, CHRONIC-ACTIVE	->	5	5	5	5
	TL>	5	5	5	5
	MN>	0.0	0.0	0.0	0.0
--LIPIDOSIS, SUBCAPSULAR (TENSION LIPIDOSIS)	->	5	5	5	5
	TL>	5	5	5	5
	MN>	0.0	0.0	0.0	0.0

Incidence of Severity of Selected Microscopic Observations

Week 8 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=2;FIND=ALL;SUBSET=T

		--- NUMBER-OF-ANIMALS-AFFECTED ---			
	SEX:	--MALE--		-FEMALE-	
	GROUP:	-1-	-5-	-1-	-5-
ORGAN/TISSUE EXAMINED	NUMBER:	5	5	5	5
** FROM PREVIOUS PAGE **					
LIVER (LI) ..... NUMBER EXAMINED:		5	5	5	5
--MINERALIZATION	->	5	5	5	5
	TL>	5	5	5	5
	MN>	0.0	0.0	0.0	0.0
--NECROSIS, HEPATOCELLULAR	->	5	2	5	4
	1>	0	1	0	0
	3>	0	2	0	1
	TL>	5	5	5	5
	MN>	0.0	1.4	0.0	0.6
--NECROSIS, INDIVIDUAL HEPATOCYTE	->	5	5	5	5
	TL>	5	5	5	5
	MN>	0.0	0.0	0.0	0.0
--PIGMENT	->	5	5	5	5
	TL>	5	5	5	5
	MN>	0.0	0.0	0.0	0.0
--PIGMENT, HEPATOCELLULAR	->	5	5	5	5
	TL>	5	5	5	5
	MN>	0.0	0.0	0.0	0.0
--PIGMENT, KUPFFER CELL	->	5	5	5	5
	TL>	5	5	5	5
	MN>	0.0	0.0	0.0	0.0

Incidence of Severity of Selected Microscopic Observations

Week 8 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
TABLE INCLUDES: SEX=ALL;GROUP=1,5;WEEKS=ALL; DEATH=2;FIND=ALL;SUBSET=T	SEX:	--MALE--		-FEMALE-	
	GROUP:	-1-	-5-	-1-	-5-
ORGAN/TISSUE EXAMINED	NUMBER:	5	5	5	5
** FROM PREVIOUS PAGE **					
LIVER (LI)	NUMBER EXAMINED:	5	5	5	5
--STASIS, BILE	->	5	5	5	5
	TL>	5	5	5	5
	MN>	0.0	0.0	0.0	0.0
--TELANGIECTASIS	->	5	5	5	5
	TL>	5	5	5	5
	MN>	0.0	0.0	0.0	0.0
--THROMBUS	->	5	5	5	5
	TL>	5	5	5	5
	MN>	0.0	0.0	0.0	0.0
--VACUOLATION, HEPATOCELLULAR	->	5	4	5	5
	1>	0	1	0	0
	TL>	5	5	5	5
	MN>	0.0	0.2	0.0	0.0
--B-ADENOMA, HEPATOCELLULAR	->	5	5	5	5
	TL>	5	5	5	5
--B-CHOLANGIOMA	->	5	5	5	5
	TL>	5	5	5	5
--M-CARCINOMA, HEPATOCELLULAR	->	5	5	5	5
	TL>	5	5	5	5

Incidence of Severity of Selected Microscopic Observations

Week 8 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=2;FIND=ALL;SUBSET=T

ORGAN/TISSUE EXAMINED		--- NUMBER OF ANIMALS AFFECTED ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-5-	-1-	-5-
NUMBER:		5	5	5	5
** FROM PREVIOUS PAGE **					
LIVER (LI)	NUMBER EXAMINED:	5	5	5	5
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)	->	5	5	5	5
	TL>	5	5	5	5
** END OF LIST **					

Incidence of Severity of Selected Microscopic Observations

Week 14 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=T

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---							
	SEX:	-------MALE-------				------FEMALE------			
	GROUP:	-1-	-2-	-3-	-4-	-1-	-2-	-3-	-4-
ORGAN/TISSUE EXAMINED	NUMBER:	5	5	5	5	5	5	5	5
** TOP OF LIST **									
LIVER (LI)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
--CYST	->	5	5	5	5	5	5	5	5
	TL>	5	5	5	5	5	5	5	5
	MN>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
--CYST, BILIARY	->	5	5	5	5	5	5	5	5
	TL>	5	5	5	5	5	5	5	5
	MN>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
--DEGENERATION, CYSTIC	->	5	5	5	5	5	5	5	5
	TL>	5	5	5	5	5	5	5	5
	MN>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
--FIBROSIS	->	5	5	5	5	5	5	5	5
	TL>	5	5	5	5	5	5	5	5
	MN>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
--FIBROSIS, CAPSULAR	->	5	5	5	5	5	5	5	5
	TL>	5	5	5	5	5	5	5	5
	MN>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
--FOCUS, ALTERED HEPATOCELLULAR, CLEAR CELL	->	5	5	5	5	5	5	5	5
	TL>	5	5	5	5	5	5	5	5
	MN>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Incidence of Severity of Selected Microscopic Observations

Week 14 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=T

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---							
	SEX:	-------MALE-------				------FEMALE------			
	GROUP:	-1-	-2-	-3-	-4-	-1-	-2-	-3-	-4-
ORGAN/TISSUE EXAMINED	NUMBER:	5	5	5	5	5	5	5	5
** FROM PREVIOUS PAGE **									
LIVER (LI)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
--FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC	->	5	5	5	5	5	5	5	5
	TL>	5	5	5	5	5	5	5	5
	MN>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
--FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC	->	5	5	5	5	5	5	5	5
	TL>	5	5	5	5	5	5	5	5
	MN>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
--HEMATOPOIESIS, EXTRAMEDULLARY	->	4	5	5	5	5	5	5	5
	1>	1	0	0	0	0	0	0	0
	TL>	5	5	5	5	5	5	5	5
	MN>	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
--HEMORRHAGE	->	4	5	5	5	4	5	5	5
	1>	1	0	0	0	0	0	0	0
	3>	0	0	0	0	1	0	0	0
	TL>	5	5	5	5	5	5	5	5
	MN>	0.2	0.0	0.0	0.0	0.6	0.0	0.0	0.0
--HYPERPLASIA, BILE DUCT	->	5	5	5	5	5	5	5	5
	TL>	5	5	5	5	5	5	5	5
	MN>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Incidence of Severity of Selected Microscopic Observations

Week 14 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=T

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---							
	SEX:	-------MALE-------				------FEMALE------			
	GROUP:	-1-	-2-	-3-	-4-	-1-	-2-	-3-	-4-
ORGAN/TISSUE EXAMINED	NUMBER:	5	5	5	5	5	5	5	5
** FROM PREVIOUS PAGE **									
LIVER (LI)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
--HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR	->	5	4	2	0	5	5	5	3
	1>	0	1	1	0	0	0	0	0
	2>	0	0	1	4	0	0	0	2
	3>	0	0	1	1	0	0	0	0
	TL>	5	5	5	5	5	5	5	5
	MN>	0.0	0.2	1.2	2.2	0.0	0.0	0.0	0.8
--INFLAMMATION, ACUTE	->	5	5	5	5	5	5	5	5
	TL>	5	5	5	5	5	5	5	5
	MN>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
--INFLAMMATION, CHRONIC	->	4	4	2	5	4	1	3	3
	1>	0	1	3	0	1	4	2	2
	2>	1	0	0	0	0	0	0	0
	TL>	5	5	5	5	5	5	5	5
	MN>	0.4	0.2	0.6	0.0	0.2	0.8	0.4	0.4
--INFLAMMATION, CHRONIC-ACTIVE	->	5	5	5	5	5	5	5	5
	TL>	5	5	5	5	5	5	5	5
	MN>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
--LIPIDOSIS, SUBCAPSULAR (TENSION LIPIDOSIS)	->	5	5	5	5	5	5	5	5
	TL>	5	5	5	5	5	5	5	5
	MN>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Incidence of Severity of Selected Microscopic Observations

Week 14 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=T

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---							
	SEX:	-------MALE-------				------FEMALE------			
	GROUP:	-1-	-2-	-3-	-4-	-1-	-2-	-3-	-4-
ORGAN/TISSUE EXAMINED	NUMBER:	5	5	5	5	5	5	5	5
** FROM PREVIOUS PAGE **									
LIVER (LI)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
--MINERALIZATION	->	5	5	5	5	5	5	5	5
	TL>	5	5	5	5	5	5	5	5
	MN>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
--NECROSIS, HEPATOCELLULAR	->	5	5	5	5	5	5	5	5
	TL>	5	5	5	5	5	5	5	5
	MN>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
--NECROSIS, INDIVIDUAL HEPATOCYTE	->	5	5	5	5	5	5	5	5
	TL>	5	5	5	5	5	5	5	5
	MN>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
--PIGMENT	->	5	5	5	5	5	5	5	5
	TL>	5	5	5	5	5	5	5	5
	MN>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
--PIGMENT, HEPATOCELLULAR	->	5	5	5	5	5	5	5	5
	TL>	5	5	5	5	5	5	5	5
	MN>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
--PIGMENT, KUPFFER CELL	->	5	5	5	5	5	5	5	5
	TL>	5	5	5	5	5	5	5	5
	MN>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Incidence of Severity of Selected Microscopic Observations

Week 14 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=T

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---							
	SEX:	-------MALE-------				------FEMALE------			
	GROUP:	-1-	-2-	-3-	-4-	-1-	-2-	-3-	-4-
ORGAN/TISSUE EXAMINED	NUMBER:	5	5	5	5	5	5	5	5
** FROM PREVIOUS PAGE **									
LIVER (LI)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
--STASIS, BILE	->	5	5	5	5	5	5	5	5
	TL>	5	5	5	5	5	5	5	5
	MN>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
--TELANGIECTASIS	->	5	5	5	5	5	5	5	5
	TL>	5	5	5	5	5	5	5	5
	MN>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
--THROMBUS	->	5	5	5	5	5	5	5	5
	TL>	5	5	5	5	5	5	5	5
	MN>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
--VACUOLATION, HEPATOCELLULAR	->	5	3	3	4	5	5	5	5
	1>	0	1	1	1	0	0	0	0
	2>	0	1	0	0	0	0	0	0
	3>	0	0	1	0	0	0	0	0
	TL>	5	5	5	5	5	5	5	5
	MN>	0.0	0.6	0.8	0.2	0.0	0.0	0.0	0.0
--B-ADENOMA, HEPATOCELLULAR	->	5	5	5	5	5	5	5	5
	TL>	5	5	5	5	5	5	5	5
--B-CHOLANGIOMA	->	5	5	5	5	5	5	5	5
	TL>	5	5	5	5	5	5	5	5

Incidence of Severity of Selected Microscopic Observations

Week 14 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---							
TABLE INCLUDES: SEX=ALL;GROUP=1,2,3,4;WEEKS=ALL DEATH=3;FIND=ALL;SUBSET=T	SEX:	-------MALE-------				------FEMALE------			
	GROUP:	-1-	-2-	-3-	-4-	-1-	-2-	-3-	-4-
ORGAN/TISSUE EXAMINED	NUMBER:	5	5	5	5	5	5	5	5
** FROM PREVIOUS PAGE **		-=-	-=-	-=-	-=-	-=-	-=-	-=-	-=-
LIVER (LI)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5
--M-CARCINOMA, HEPATOCELLULAR	->	5	5	5	5	5	5	5	5
	TL>	5	5	5	5	5	5	5	5
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)	->	5	5	5	5	5	5	5	5
	TL>	5	5	5	5	5	5	5	5
** END OF LIST **									

Incidence of Severity of Selected Microscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,4;WEEKS=ALL
DEATH=4;FIND=ALL;SUBSET=T

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
	SEX:	--MALE--		-FEMALE-	
	GROUP:	-1-	-4-	-1-	-4-
ORGAN/TISSUE EXAMINED	NUMBER:	5	10	5	10
** TOP OF LIST **					
LIVER (LI)	NUMBER EXAMINED:	5	10	5	10
--CYST	->	5	10	5	10
	TL>	5	10	5	10
	MN>	0.0	0.0	0.0	0.0
--CYST, BILIARY	->	5	10	5	10
	TL>	5	10	5	10
	MN>	0.0	0.0	0.0	0.0
--DEGENERATION, CYSTIC	->	5	10	5	9
	1>	0	0	0	1
	TL>	5	10	5	10
	MN>	0.0	0.0	0.0	0.1
--FIBROSIS	->	5	10	5	10
	TL>	5	10	5	10
	MN>	0.0	0.0	0.0	0.0
--FIBROSIS, CAPSULAR	->	5	10	5	10
	TL>	5	10	5	10
	MN>	0.0	0.0	0.0	0.0
--FOCUS, ALTERED HEPATOCELLULAR, CLEAR CELL	->	5	10	5	10
	TL>	5	10	5	10
	MN>	0.0	0.0	0.0	0.0

Incidence of Severity of Selected Microscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,4;WEEKS=ALL
DEATH=4;FIND=ALL;SUBSET=T

		--- NUMBER-OF-ANIMALS-AFFECTED ---			
	SEX:	--MALE--		-FEMALE-	
	GROUP:	-1-	-4-	-1-	-4-
ORGAN/TISSUE EXAMINED	NUMBER:	5	10	5	10
** FROM PREVIOUS PAGE **					
LIVER (LI)	NUMBER EXAMINED:	5	10	5	10
--FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC	->	5	10	5	9
	4>	0	0	0	1
	TL>	5	10	5	10
	MN>	0.0	0.0	0.0	0.4
--FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC	->	5	10	5	10
	TL>	5	10	5	10
	MN>	0.0	0.0	0.0	0.0
--HEMATOPOIESIS, EXTRAMEDULLARY	->	5	10	5	10
	TL>	5	10	5	10
	MN>	0.0	0.0	0.0	0.0
--HEMORRHAGE	->	5	10	5	10
	TL>	5	10	5	10
	MN>	0.0	0.0	0.0	0.0
--HYPERPLASIA, BILE DUCT	->	5	10	5	9
	1>	0	0	0	1
	TL>	5	10	5	10
	MN>	0.0	0.0	0.0	0.1

Incidence of Severity of Selected Microscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
TABLE INCLUDES: SEX=ALL;GROUP=1,4;WEEKS=ALL; DEATH=4;FIND=ALL;SUBSET=T	SEX:	--MALE--		-FEMALE-	
	GROUP:	-1-	-4-	-1-	-4-
ORGAN/TISSUE EXAMINED	NUMBER:	5	10	5	10
** FROM PREVIOUS PAGE **					
LIVER (LI)	NUMBER EXAMINED:	5	10	5	10
--HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR	->	5	0	5	3
	2>	0	3	0	3
	3>	0	2	0	4
	4>	0	5	0	0
	TL>	5	10	5	10
	MN>	0.0	3.2	0.0	1.8
--INFLAMMATION, ACUTE	->	5	10	5	10
	TL>	5	10	5	10
	MN>	0.0	0.0	0.0	0.0
--INFLAMMATION, CHRONIC	->	2	9	4	9
	1>	3	1	1	0
	2>	0	0	0	1
	TL>	5	10	5	10
	MN>	0.6	0.1	0.2	0.2
--INFLAMMATION, CHRONIC-ACTIVE	->	5	10	5	10
	TL>	5	10	5	10
	MN>	0.0	0.0	0.0	0.0
--LIPIDOSIS, SUBCAPSULAR (TENSION LIPIDOSIS)	->	5	10	5	10
	TL>	5	10	5	10
	MN>	0.0	0.0	0.0	0.0

Incidence of Severity of Selected Microscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,4;WEEKS=ALL
DEATH=4;FIND=ALL;SUBSET=T

		--- NUMBER-OF-ANIMALS-AFFECTED ---			
	SEX:	--MALE--		-FEMALE-	
	GROUP:	-1-	-4-	-1-	-4-
ORGAN/TISSUE EXAMINED	NUMBER:	5	10	5	10
** FROM PREVIOUS PAGE **					
LIVER (LI)	NUMBER EXAMINED:	5	10	5	10
--MINERALIZATION	->	5	10	5	10
	TL>	5	10	5	10
	MN>	0.0	0.0	0.0	0.0
--NECROSIS, HEPATOCELLULAR	->	5	9	5	8
	1>	0	1	0	1
	3>	0	0	0	1
	TL>	5	10	5	10
	MN>	0.0	0.1	0.0	0.4
--NECROSIS, INDIVIDUAL HEPATOCYTE	->	5	10	5	10
	TL>	5	10	5	10
	MN>	0.0	0.0	0.0	0.0
--PIGMENT	->	5	10	5	10
	TL>	5	10	5	10
	MN>	0.0	0.0	0.0	0.0
--PIGMENT, HEPATOCELLULAR	->	5	10	5	10
	TL>	5	10	5	10
	MN>	0.0	0.0	0.0	0.0
--PIGMENT, KUPFFER CELL	->	5	10	5	10
	TL>	5	10	5	10
	MN>	0.0	0.0	0.0	0.0

Incidence of Severity of Selected Microscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
TABLE INCLUDES: SEX=ALL;GROUP=1,4;WEEKS=ALL; DEATH=4;FIND=ALL;SUBSET=T	SEX:	--MALE--		-FEMALE-	
	GROUP:	-1-	-4-	-1-	-4-
ORGAN/TISSUE EXAMINED	NUMBER:	5	10	5	10
** FROM PREVIOUS PAGE **					
LIVER (LI)	NUMBER EXAMINED:	5	10	5	10
--STASIS, BILE	->	5	9	5	8
	1>	0	1	0	1
	2>	0	0	0	1
	TL>	5	10	5	10
	MN>	0.0	0.1	0.0	0.3
--TELANGIECTASIS	->	5	10	5	10
	TL>	5	10	5	10
	MN>	0.0	0.0	0.0	0.0
--THROMBUS	->	5	10	5	10
	TL>	5	10	5	10
	MN>	0.0	0.0	0.0	0.0
--VACUOLATION, HEPATOCELLULAR	->	5	1	5	8
	1>	0	3	0	2
	2>	0	3	0	0
	3>	0	3	0	0
	TL>	5	10	5	10
	MN>	0.0	1.8	0.0	0.2
--B-ADENOMA, HEPATOCELLULAR	->	5	10	5	9
	+>	0	0	0	1
	TL>	5	10	5	10

Incidence of Severity of Selected Microscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
TABLE INCLUDES: SEX=ALL;GROUP=1,4;WEEKS=ALL; DEATH=4;FIND=ALL;SUBSET=T	SEX:	--MALE--		-FEMALE-	
	GROUP:	-1-	-4-	-1-	-4-
ORGAN/TISSUE EXAMINED	NUMBER:	5	10	5	10
** FROM PREVIOUS PAGE **					
LIVER (LI)	NUMBER EXAMINED:	5	10	5	10
--B-CHOLANGIOMA	->	5	10	5	10
	TL>	5	10	5	10
--M-CARCINOMA, HEPATOCELLULAR	->	5	10	5	10
	TL>	5	10	5	10
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)	->	5	10	5	10
	TL>	5	10	5	10
** END OF LIST **					

Incidence of Severity of Selected Microscopic Observations

Terminal and Recovery Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL
DEATH=T,U;FIND=ALL;SUBSET=T

ORGAN/TISSUE EXAMINED		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
	SEX:	----------MALE----------					---------FEMALE--------				
	GROUP:	-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
	NUMBER:	14	22	22	17	10	13	13	15	20	12
** TOP OF LIST **											
LIVER (LI)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	20	12
--CYST	->	13	22	22	17	10	13	13	15	19	12
	3>	0	0	0	0	0	0	0	0	1	0
	4>	1	0	0	0	0	0	0	0	0	0
	TL>	14	22	22	17	10	13	13	15	20	12
	MN>	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
--CYST, BILIARY	->	14	22	22	17	10	13	12	15	20	12
	3>	0	0	0	0	0	0	1	0	0	0
	TL>	14	22	22	17	10	13	13	15	20	12
	MN>	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
--DEGENERATION, CYSTIC	->	11	17	10	5	9	13	11	15	19	11
	1>	2	0	1	5	0	0	1	0	0	0
	2>	0	1	2	4	1	0	1	0	1	1
	3>	0	3	6	3	0	0	0	0	0	0
	4>	1	1	3	0	0	0	0	0	0	0
	TL>	14	22	22	17	10	13	13	15	20	12
	MN>	0.4	0.7	1.6	1.3	0.2	0.0	0.2	0.0	0.1	0.2
--FIBROSIS	->	14	22	21	17	9	13	13	15	20	11
	1>	0	0	1	0	1	0	0	0	0	0
	2>	0	0	0	0	0	0	0	0	0	1
	TL>	14	22	22	17	10	13	13	15	20	12
	MN>	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.2

Incidence of Severity of Selected Microscopic Observations

Terminal and Recovery Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
TABLE INCLUDES: SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL DEATH=T,U;FIND=ALL;SUBSET=T	SEX:	----------MALE---------					---------FEMALE--------				
	GROUP:	-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
ORGAN/TISSUE EXAMINED	NUMBER:	14	22	22	17	10	13	13	15	20	12
** FROM PREVIOUS PAGE **											
LIVER (LI)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	20	12
--FIBROSIS, CAPSULAR	->	14	22	22	17	10	12	13	15	20	12
	3>	0	0	0	0	0	1	0	0	0	0
	TL>	14	22	22	17	10	13	13	15	20	12
	MN>	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
--FOCUS, ALTERED HEPATOCELLULAR, CLEAR CELL	->	13	21	21	17	10	13	13	14	20	12
	2>	0	0	1	0	0	0	0	0	0	0
	3>	1	0	0	0	0	0	0	1	0	0
	4>	0	1	0	0	0	0	0	0	0	0
	TL>	14	22	22	17	10	13	13	15	20	12
	MN>	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.2	0.0	0.0
--FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC	->	11	12	11	12	9	13	9	13	15	11
	1>	0	3	2	0	0	0	0	0	0	0
	2>	1	4	2	1	0	0	1	1	1	0
	3>	2	3	4	2	1	0	3	0	2	1
	4>	0	0	2	2	0	0	0	0	2	0
	5>	0	0	1	0	0	0	0	1	0	0
	TL>	14	22	22	17	10	13	13	15	20	12
	MN>	0.6	0.9	1.4	0.9	0.3	0.0	0.8	0.5	0.8	0.3

Incidence of Severity of Selected Microscopic Observations

Terminal and Recovery Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL
DEATH=T,U;FIND=ALL;SUBSET=T

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
	SEX:	----------MALE---------					---------FEMALE--------				
	GROUP:	-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
ORGAN/TISSUE EXAMINED	NUMBER:	14	22	22	17	10	13	13	15	20	12
** FROM PREVIOUS PAGE **											
LIVER (LI) ..... NUMBER EXAMINED:		14	22	22	17	10	13	13	15	20	12
--FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC	->	14	22	20	16	10	13	11	14	19	12
	1>	0	0	2	0	0	0	1	1	1	0
	2>	0	0	0	0	0	0	1	0	0	0
	4>	0	0	0	1	0	0	0	0	0	0
	TL>	14	22	22	17	10	13	13	15	20	12
	MN>	0.0	0.0	0.1	0.2	0.0	0.0	0.2	0.1	0.1	0.0
--HEMATOPOIESIS, EXTRAMEDULLARY	->	14	22	22	17	10	13	13	15	20	12
	TL>	14	22	22	17	10	13	13	15	20	12
	MN>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
--HEMORRHAGE	->	14	20	21	16	8	12	12	14	20	11
	1>	0	1	1	0	2	0	1	1	0	0
	2>	0	1	0	1	0	0	0	0	0	0
	3>	0	0	0	0	0	1	0	0	0	1
	TL>	14	22	22	17	10	13	13	15	20	12
	MN>	0.0	0.1	0.0	0.1	0.2	0.2	0.1	0.1	0.0	0.3
--HYPERPLASIA, BILE DUCT	->	10	15	16	13	9	12	12	12	13	11
	1>	4	7	6	3	1	1	1	2	6	1
	2>	0	0	0	1	0	0	0	1	1	0
	TL>	14	22	22	17	10	13	13	15	20	12
	MN>	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.3	0.4	0.1

Incidence of Severity of Selected Microscopic Observations

Terminal and Recovery Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL
DEATH=T,U;FIND=ALL;SUBSET=T

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
	SEX:	----------MALE---------					---------FEMALE--------				
	GROUP:	-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
ORGAN/TISSUE EXAMINED	NUMBER:	14	22	22	17	10	13	13	15	20	12
** FROM PREVIOUS PAGE **											
LIVER (LI)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	20	12
--HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR	->	14	22	22	12	10	13	13	15	15	12
	1>	0	0	0	1	0	0	0	0	1	0
	2>	0	0	0	2	0	0	0	0	3	0
	3>	0	0	0	1	0	0	0	0	1	0
	4>	0	0	0	1	0	0	0	0	0	0
	TL>	14	22	22	17	10	13	13	15	20	12
	MN>	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.5	0.0
--INFLAMMATION, ACUTE	->	14	22	22	17	9	13	13	15	20	12
	1>	0	0	0	0	1	0	0	0	0	0
	TL>	14	22	22	17	10	13	13	15	20	12
	MN>	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
--INFLAMMATION, CHRONIC	->	10	9	10	9	7	12	11	13	12	11
	1>	4	13	11	8	3	1	2	2	6	1
	2>	0	0	1	0	0	0	0	0	2	0
	TL>	14	22	22	17	10	13	13	15	20	12
	MN>	0.3	0.6	0.6	0.5	0.3	0.1	0.2	0.1	0.5	0.1
--INFLAMMATION, CHRONIC-ACTIVE	->	14	22	22	17	10	13	13	15	20	12
	TL>	14	22	22	17	10	13	13	15	20	12
	MN>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Incidence of Severity of Selected Microscopic Observations

Terminal and Recovery Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
TABLE INCLUDES: SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL DEATH=T,U;FIND=ALL;SUBSET=T	SEX:	----------MALE---------					---------FEMALE--------				
	GROUP:	-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
ORGAN/TISSUE EXAMINED	NUMBER:	14	22	22	17	10	13	13	15	20	12
** FROM PREVIOUS PAGE **											
LIVER (LI)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	20	12
--LIPIDOSIS, SUBCAPSULAR (TENSION LIPIDOSIS)	->	14	20	22	16	10	13	12	15	20	10
	2>	0	1	0	0	0	0	0	0	0	0
	3>	0	0	0	0	0	0	0	0	0	2
	4>	0	0	0	1	0	0	0	0	0	0
	5>	0	1	0	0	0	0	1	0	0	0
	TL>	14	22	22	17	10	13	13	15	20	12
	MN>	0.0	0.3	0.0	0.2	0.0	0.0	0.4	0.0	0.0	0.5
--MINERALIZATION	->	14	22	22	17	10	13	13	15	20	12
	TL>	14	22	22	17	10	13	13	15	20	12
	MN>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
--NECROSIS, HEPATOCELLULAR	->	14	21	20	17	9	12	13	14	20	11
	1>	0	0	1	0	0	0	0	1	0	0
	2>	0	1	1	0	0	0	0	0	0	0
	3>	0	0	0	0	0	0	0	0	0	1
	4>	0	0	0	0	1	1	0	0	0	0
	TL>	14	22	22	17	10	13	13	15	20	12
	MN>	0.0	0.1	0.1	0.0	0.4	0.3	0.0	0.1	0.0	0.3
--NECROSIS, INDIVIDUAL HEPATOCYTE	->	14	22	22	17	10	13	13	15	20	12
	TL>	14	22	22	17	10	13	13	15	20	12
	MN>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL
DEATH=T,U;FIND=ALL;SUBSET=T

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
	SEX:	----------MALE---------					---------FEMALE--------				
	GROUP:	-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
ORGAN/TISSUE EXAMINED	NUMBER:	14	22	22	17	10	13	13	15	20	12
** FROM PREVIOUS PAGE **											
LIVER (LI)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	20	12
--PIGMENT	->	14	21	21	16	9	13	13	15	19	12
	1>	0	0	0	0	1	0	0	0	0	0
	2>	0	1	1	1	0	0	0	0	1	0
	TL>	14	22	22	17	10	13	13	15	20	12
	MN>	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.0
--PIGMENT, HEPATOCELLULAR	->	14	22	22	17	10	13	13	15	20	12
	TL>	14	22	22	17	10	13	13	15	20	12
	MN>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
--PIGMENT, KUPFFER CELL	->	14	22	22	17	10	13	13	15	20	12
	TL>	14	22	22	17	10	13	13	15	20	12
	MN>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
--STASIS, BILE	->	14	22	22	17	10	13	13	15	20	12
	TL>	14	22	22	17	10	13	13	15	20	12
	MN>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
--TELANGIECTASIS	->	12	16	20	17	10	12	11	15	16	8
	1>	1	2	1	0	0	0	1	0	2	3
	2>	0	2	1	0	0	0	1	0	1	1
	3>	1	2	0	0	0	1	0	0	1	0
	TL>	14	22	22	17	10	13	13	15	20	12
	MN>	0.3	0.5	0.1	0.0	0.0	0.2	0.2	0.0	0.4	0.4

Incidence of Severity of Selected Microscopic Observations

Terminal and Recovery Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
TABLE INCLUDES: SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL DEATH=T,U;FIND=ALL;SUBSET=T	SEX:	----------MALE---------					---------FEMALE--------				
	GROUP:	-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
ORGAN/TISSUE EXAMINED	NUMBER:	14	22	22	17	10	13	13	15	20	12
** FROM PREVIOUS PAGE **											
LIVER (LI)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	20	12
--THROMBUS	->	14	21	22	17	10	13	13	15	19	12
	1>	0	0	0	0	0	0	0	0	1	0
	2>	0	1	0	0	0	0	0	0	0	0
	TL>	14	22	22	17	10	13	13	15	20	12
	MN>	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
--VACUOLATION, HEPATOCELLULAR	->	10	14	13	4	9	9	7	13	7	10
	1>	1	3	6	3	1	1	4	1	7	1
	2>	2	2	2	5	0	0	2	1	4	1
	3>	0	2	1	3	0	3	0	0	1	0
	4>	1	1	0	1	0	0	0	0	0	0
	5>	0	0	0	1	0	0	0	0	1	0
	TL>	14	22	22	17	10	13	13	15	20	12
	MN>	0.6	0.8	0.6	1.8	0.1	0.8	0.6	0.2	1.2	0.3
--B-ADENOMA, HEPATOCELLULAR	->	13	20	21	14	10	13	12	14	16	10
	+>	1	2	1	3	0	0	1	1	4	2
	TL>	14	22	22	17	10	13	13	15	20	12
--B-CHOLANGIOMA	->	14	22	22	17	10	13	13	15	20	12
	TL>	14	22	22	17	10	13	13	15	20	12
--M-CARCINOMA, HEPATOCELLULAR	->	14	22	22	17	10	13	13	15	19	12
	+>	0	0	0	0	0	0	0	0	1	0
	TL>	14	22	22	17	10	13	13	15	20	12

Incidence of Severity of Selected Microscopic Observations

Terminal and Recovery Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL
DEATH=T,U;FIND=ALL;SUBSET=T

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
	SEX:	----------MALE---------					---------FEMALE--------				
	GROUP:	-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
ORGAN/TISSUE EXAMINED	NUMBER:	14	22	22	17	10	13	13	15	20	12
** FROM PREVIOUS PAGE **											
LIVER (LI)	NUMBER EXAMINED:	14	22	22	17	10	13	13	15	20	12
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)	->	13	22	22	17	10	13	13	15	20	12
	+>	1	0	0	0	0	0	0	0	0	0
	TL>	14	22	22	17	10	13	13	15	20	12

** END OF LIST **

Incidence of Severity of Selected Microscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=T

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
	SEX:	----------MALE----------					---------FEMALE--------				
	GROUP:	-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
ORGAN/TISSUE EXAMINED	NUMBER:	36	28	27	33	30	37	37	35	29	28
** TOP OF LIST **											
LIVER (LI) ..... NUMBER EXAMINED:		36	28	27	33	30	37	37	35	29	28
--CYST	->	36	28	27	31	30	36	37	35	28	28
	1>	0	0	0	0	0	0	0	0	1	0
	2>	0	0	0	2	0	1	0	0	0	0
	TL>	36	28	27	33	30	37	37	35	29	28
	MN>	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
--CYST, BILIARY	->	36	28	27	33	30	37	37	35	29	28
	TL>	36	28	27	33	30	37	37	35	29	28
	MN>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
--DEGENERATION, CYSTIC	->	33	25	25	27	24	37	37	35	29	28
	1>	1	1	0	0	2	0	0	0	0	0
	2>	0	1	1	4	3	0	0	0	0	0
	3>	2	1	1	1	1	0	0	0	0	0
	4>	0	0	0	1	0	0	0	0	0	0
	TL>	36	28	27	33	30	37	37	35	29	28
	MN>	0.2	0.2	0.2	0.5	0.4	0.0	0.0	0.0	0.0	0.0
--FIBROSIS	->	36	28	27	33	29	37	34	34	29	28
	1>	0	0	0	0	0	0	2	1	0	0
	3>	0	0	0	0	1	0	1	0	0	0
	TL>	36	28	27	33	30	37	37	35	29	28
	MN>	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0

Incidence of Severity of Selected Microscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=T

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
	SEX:	----------MALE---------					---------FEMALE--------				
	GROUP:	-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
ORGAN/TISSUE EXAMINED	NUMBER:	36	28	27	33	30	37	37	35	29	28
** FROM PREVIOUS PAGE **											
LIVER (LI) ..... NUMBER EXAMINED:		36	28	27	33	30	37	37	35	29	28
--FIBROSIS, CAPSULAR	->	36	27	27	33	30	37	37	35	29	28
	1>	0	1	0	0	0	0	0	0	0	0
	TL>	36	28	27	33	30	37	37	35	29	28
	MN>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
--FOCUS, ALTERED HEPATOCELLULAR, CLEAR CELL	->	36	28	27	33	30	37	37	35	28	28
	3>	0	0	0	0	0	0	0	0	1	0
	TL>	36	28	27	33	30	37	37	35	29	28
	MN>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
--FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC	->	31	26	27	32	29	34	34	35	28	27
	1>	2	0	0	0	0	2	0	0	0	0
	2>	2	1	0	0	0	0	2	0	0	0
	3>	1	0	0	1	1	1	1	0	0	0
	5>	0	1	0	0	0	0	0	0	1	1
	TL>	36	28	27	33	30	37	37	35	29	28
	MN>	0.3	0.3	0.0	0.1	0.1	0.1	0.2	0.0	0.2	0.2
--FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC	->	35	28	27	33	30	37	37	34	29	28
	1>	1	0	0	0	0	0	0	0	0	0
	2>	0	0	0	0	0	0	0	1	0	0
	TL>	36	28	27	33	30	37	37	35	29	28
	MN>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0

Incidence of Severity of Selected Microscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=T

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
	SEX:	----------MALE---------					---------FEMALE--------				
	GROUP:	-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
ORGAN/TISSUE EXAMINED	NUMBER:	36	28	27	33	30	37	37	35	29	28
** FROM PREVIOUS PAGE **											
LIVER (LI) ..... NUMBER EXAMINED:		36	28	27	33	30	37	37	35	29	28
--HEMATOPOIESIS, EXTRAMEDULLARY	->	36	28	27	32	30	36	36	35	26	27
	1>	0	0	0	1	0	1	1	0	2	1
	2>	0	0	0	0	0	0	0	0	1	0
	TL>	36	28	27	33	30	37	37	35	29	28
	MN>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
--HEMORRHAGE	->	34	27	25	33	25	35	36	32	29	26
	1>	1	1	0	0	2	1	0	2	0	0
	2>	1	0	1	0	0	1	0	1	0	0
	3>	0	0	1	0	3	0	1	0	0	2
	TL>	36	28	27	33	30	37	37	35	29	28
	MN>	0.1	0.0	0.2	0.0	0.4	0.1	0.1	0.1	0.0	0.2
--HYPERPLASIA, BILE DUCT	->	31	26	25	26	26	34	35	32	24	28
	1>	2	2	0	6	2	3	2	3	5	0
	2>	3	0	2	1	1	0	0	0	0	0
	3>	0	0	0	0	1	0	0	0	0	0
	TL>	36	28	27	33	30	37	37	35	29	28
	MN>	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.2	0.0
--HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR	->	36	28	27	31	28	37	37	35	29	28
	2>	0	0	0	0	1	0	0	0	0	0
	3>	0	0	0	2	1	0	0	0	0	0
	TL>	36	28	27	33	30	37	37	35	29	28
	MN>	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0

Incidence of Severity of Selected Microscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=T

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
	SEX:	----------MALE---------					---------FEMALE--------				
	GROUP:	-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
ORGAN/TISSUE EXAMINED	NUMBER:	36	28	27	33	30	37	37	35	29	28
** FROM PREVIOUS PAGE **											
LIVER (LI)	NUMBER EXAMINED:	36	28	27	33	30	37	37	35	29	28
--INFLAMMATION, ACUTE	->	36	28	27	33	30	37	37	35	29	28
	TL>	36	28	27	33	30	37	37	35	29	28
	MN>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
--INFLAMMATION, CHRONIC	->	28	22	20	22	24	31	27	29	21	21
	1>	8	6	7	11	6	5	8	6	8	7
	2>	0	0	0	0	0	1	2	0	0	0
	TL>	36	28	27	33	30	37	37	35	29	28
	MN>	0.2	0.2	0.3	0.3	0.2	0.2	0.3	0.2	0.3	0.3
--INFLAMMATION, CHRONIC-ACTIVE	->	36	28	26	33	30	37	36	35	29	28
	2>	0	0	0	0	0	0	1	0	0	0
	3>	0	0	1	0	0	0	0	0	0	0
	TL>	36	28	27	33	30	37	37	35	29	28
	MN>	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
--LIPIDOSIS, SUBCAPSULAR (TENSION LIPIDOSIS)	->	36	28	26	32	30	37	37	35	29	28
	4>	0	0	0	1	0	0	0	0	0	0
	5>	0	0	1	0	0	0	0	0	0	0
	TL>	36	28	27	33	30	37	37	35	29	28
	MN>	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
--MINERALIZATION	->	36	28	27	33	30	36	37	35	29	28
	2>	0	0	0	0	0	1	0	0	0	0
	TL>	36	28	27	33	30	37	37	35	29	28
	MN>	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0

Incidence of Severity of Selected Microscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=T

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
	SEX:	----------MALE---------					---------FEMALE--------				
	GROUP:	-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
ORGAN/TISSUE EXAMINED	NUMBER:	36	28	27	33	30	37	37	35	29	28
** FROM PREVIOUS PAGE **											
LIVER (LI)	NUMBER EXAMINED:	36	28	27	33	30	37	37	35	29	28
--NECROSIS, HEPATOCELLULAR	->	35	26	25	32	27	33	33	32	25	26
	1>	0	1	0	0	0	1	1	0	1	0
	2>	0	0	1	1	0	1	1	3	1	0
	3>	1	1	0	0	3	2	2	0	1	1
	4>	0	0	0	0	0	0	0	0	1	1
	5>	0	0	1	0	0	0	0	0	0	0
	TL>	36	28	27	33	30	37	37	35	29	28
	MN>	0.1	0.1	0.3	0.1	0.3	0.2	0.2	0.2	0.3	0.3
--NECROSIS, INDIVIDUAL HEPATOCYTE	->	36	28	27	33	30	37	37	35	28	28
	1>	0	0	0	0	0	0	0	0	1	0
	TL>	36	28	27	33	30	37	37	35	29	28
	MN>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
--PIGMENT	->	36	28	27	33	30	37	36	35	29	28
	2>	0	0	0	0	0	0	1	0	0	0
	TL>	36	28	27	33	30	37	37	35	29	28
	MN>	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
--PIGMENT, HEPATOCELLULAR	->	36	28	27	33	30	37	37	35	29	27
	3>	0	0	0	0	0	0	0	0	0	1
	TL>	36	28	27	33	30	37	37	35	29	28
	MN>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1

Incidence of Severity of Selected Microscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=T

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
	SEX:	----------MALE---------					---------FEMALE--------				
	GROUP:	-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
ORGAN/TISSUE EXAMINED	NUMBER:	36	28	27	33	30	37	37	35	29	28
** FROM PREVIOUS PAGE **											
LIVER (LI)	NUMBER EXAMINED:	36	28	27	33	30	37	37	35	29	28
--PIGMENT, KUPFFER CELL	->	36	28	27	33	30	37	37	35	28	28
	1>	0	0	0	0	0	0	0	0	1	0
	TL>	36	28	27	33	30	37	37	35	29	28
	MN>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
--STASIS, BILE	->	36	28	27	33	29	37	37	35	29	28
	3>	0	0	0	0	1	0	0	0	0	0
	TL>	36	28	27	33	30	37	37	35	29	28
	MN>	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
--TELANGIECTASIS	->	36	27	26	33	30	35	33	34	29	27
	1>	0	0	0	0	0	1	2	0	0	1
	2>	0	0	0	0	0	0	1	1	0	0
	3>	0	1	1	0	0	1	1	0	0	0
	TL>	36	28	27	33	30	37	37	35	29	28
	MN>	0.0	0.1	0.1	0.0	0.0	0.1	0.2	0.1	0.0	0.0
--THROMBUS	->	36	28	27	33	30	37	37	35	29	27
	3>	0	0	0	0	0	0	0	0	0	1
	TL>	36	28	27	33	30	37	37	35	29	28
	MN>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1

Incidence of Severity of Selected Microscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,2,3,4,6;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=T

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
	SEX:	----------MALE---------					---------FEMALE--------				
	GROUP:	-1-	-2-	-3-	-4-	-6-	-1-	-2-	-3-	-4-	-6-
ORGAN/TISSUE EXAMINED	NUMBER:	36	28	27	33	30	37	37	35	29	28
** FROM PREVIOUS PAGE **											
LIVER (LI) ..... NUMBER EXAMINED:		36	28	27	33	30	37	37	35	29	28
--VACUOLATION, HEPATOCELLULAR	->	23	20	16	17	20	28	29	29	18	22
	1>	5	3	1	5	3	2	2	3	4	2
	2>	2	2	0	2	2	1	0	2	4	1
	3>	4	2	6	5	3	2	4	0	3	1
	4>	0	0	3	1	1	2	2	1	0	2
	5>	2	1	1	3	1	2	0	0	0	0
	TL>	36	28	27	33	30	37	37	35	29	28
	MN>	0.9	0.6	1.3	1.3	0.8	0.8	0.6	0.3	0.7	0.5
--B-ADENOMA, HEPATOCELLULAR	->	35	26	26	31	30	37	37	33	28	27
	+>	1	2	1	2	0	0	0	2	1	1
	TL>	36	28	27	33	30	37	37	35	29	28
--B-CHOLANGIOMA	->	36	28	27	32	30	37	37	35	29	28
	+>	0	0	0	1	0	0	0	0	0	0
	TL>	36	28	27	33	30	37	37	35	29	28
--M-CARCINOMA, HEPATOCELLULAR	->	36	28	27	33	30	37	37	35	29	28
	TL>	36	28	27	33	30	37	37	35	29	28
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)	->	35	27	26	32	29	37	37	35	29	27
	+>	1	1	1	1	1	0	0	0	0	1
	TL>	36	28	27	33	30	37	37	35	29	28

** END OF LIST **

Incidence of Severity of Selected Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=T

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
	SEX:	----------MALE----------						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN/TISSUE EXAMINED	NUMBER:	70	60	60	70	70	40	40
		-=-	-=-	-=-	-=-	-=-	-=-	-=-
** TOP OF LIST **								
LIVER (LI) ..... NUMBER EXAMINED:		65	55	55	65	8	40	1
--CYST	->	64	55	55	63	8	40	1
	1>	0	0	0	0	0	0	0
	2>	0	0	0	2	0	0	0
	3>	0	0	0	0	0	0	0
	4>	1	0	0	0	0	0	0
	TL>	65	55	55	65	8	40	1
	MN>	0.1	0.0	0.0	0.1	0.0	0.0	0.0
--CYST, BILIARY	->	65	55	55	65	8	40	1
	3>	0	0	0	0	0	0	0
	TL>	65	55	55	65	8	40	1
	MN>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
--DEGENERATION, CYSTIC	->	59	47	41	47	8	33	1
	1>	3	1	1	5	0	2	0
	2>	0	2	3	8	0	4	0
	3>	2	4	7	4	0	1	0
	4>	1	1	3	1	0	0	0
	TL>	65	55	55	65	8	40	1
	MN>	0.2	0.4	0.7	0.6	0.0	0.3	0.0

Incidence of Severity of Selected Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
TABLE INCLUDES:								
SEX=ALL;GROUP=ALL;WEEKS=ALL	SEX:	----------MALE----------						
DEATH=ALL;FIND=ALL;SUBSET=T								
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN/TISSUE EXAMINED	NUMBER:	70	60	60	70	70	40	40
** FROM PREVIOUS PAGE **								
LIVER (LI)	NUMBER EXAMINED:	65	55	55	65	8	40	1
--FIBROSIS	->	65	55	54	65	8	38	1
	1>	0	0	1	0	0	1	0
	2>	0	0	0	0	0	0	0
	3>	0	0	0	0	0	1	0
	TL>	65	55	55	65	8	40	1
	MN>	0.0	0.0	0.0	0.0	0.0	0.1	0.0
--FIBROSIS, CAPSULAR	->	65	54	55	65	8	40	1
	1>	0	1	0	0	0	0	0
	3>	0	0	0	0	0	0	0
	TL>	65	55	55	65	8	40	1
	MN>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
--FOCUS, ALTERED HEPATOCELLULAR, CLEAR CELL	->	64	54	54	65	8	40	1
	2>	0	0	1	0	0	0	0
	3>	1	0	0	0	0	0	0
	4>	0	1	0	0	0	0	0
	TL>	65	55	55	65	8	40	1
	MN>	0.0	0.1	0.0	0.0	0.0	0.0	0.0

Incidence of Severity of Selected Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
TABLE INCLUDES: SEX=ALL;GROUP=ALL;WEEKS=ALL DEATH=ALL;FIND=ALL;SUBSET=T	SEX:	----------MALE----------						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN/TISSUE EXAMINED	NUMBER:	70	60	60	70	70	40	40
** FROM PREVIOUS PAGE **								
LIVER (LI)	NUMBER EXAMINED:	65	55	55	65	8	40	1
--FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC	->	57	43	44	59	8	38	1
	1>	2	3	2	0	0	0	0
	2>	3	5	2	1	0	0	0
	3>	3	3	4	3	0	2	0
	4>	0	0	2	2	0	0	0
	5>	0	1	1	0	0	0	0
	TL>	65	55	55	65	8	40	1
	MN>	0.3	0.5	0.6	0.3	0.0	0.2	0.0
--FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC	->	64	55	53	64	8	40	1
	1>	1	0	2	0	0	0	0
	2>	0	0	0	0	0	0	0
	4>	0	0	0	1	0	0	0
	TL>	65	55	55	65	8	40	1
	MN>	0.0	0.0	0.0	0.1	0.0	0.0	0.0
--HEMATOPOIESIS, EXTRAMEDULLARY	->	64	55	55	64	8	40	1
	1>	1	0	0	1	0	0	0
	2>	0	0	0	0	0	0	0
	TL>	65	55	55	65	8	40	1
	MN>	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Incidence of Severity of Selected Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
TABLE INCLUDES:								
SEX=ALL;GROUP=ALL;WEEKS=ALL	SEX:	----------MALE----------						
DEATH=ALL;FIND=ALL;SUBSET=T								
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN/TISSUE EXAMINED	NUMBER:	70	60	60	70	70	40	40
		-=-	-=-	-=-	-=-	-=-	-=-	-=-
** FROM PREVIOUS PAGE **								
LIVER (LI)	NUMBER EXAMINED:	65	55	55	65	8	40	1
--HEMORRHAGE	->	62	52	52	64	3	33	1
	1>	2	2	1	0	4	4	0
	2>	1	1	1	1	0	0	0
	3>	0	0	1	0	0	3	0
	4>	0	0	0	0	1	0	0
	TL>	65	55	55	65	8	40	1
	MN>	0.1	0.1	0.1	0.0	1.0	0.3	0.0
--HYPERPLASIA, BILE DUCT	->	56	46	47	54	8	35	1
	1>	6	9	6	9	0	3	0
	2>	3	0	2	2	0	1	0
	3>	0	0	0	0	0	1	0
	TL>	65	55	55	65	8	40	1
	MN>	0.2	0.2	0.2	0.2	0.0	0.2	0.0
--HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR	->	65	54	52	43	1	38	0
	1>	0	1	1	1	0	0	0
	2>	0	0	1	9	0	1	0
	3>	0	0	1	6	5	1	0
	4>	0	0	0	6	2	0	1
	TL>	65	55	55	65	8	40	1
	MN>	0.0	0.0	0.1	0.9	2.9	0.1	4.0

Incidence of Severity of Selected Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=T

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
	SEX:	----------MALE----------						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN/TISSUE EXAMINED	NUMBER:	70	60	60	70	70	40	40
** FROM PREVIOUS PAGE **								
LIVER (LI)	NUMBER EXAMINED:	65	55	55	65	8	40	1
--INFLAMMATION, ACUTE	->	65	55	55	65	8	39	1
	1>	0	0	0	0	0	1	0
	TL>	65	55	55	65	8	40	1
	MN>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
--INFLAMMATION, CHRONIC	->	47	35	32	45	8	31	1
	1>	17	20	22	20	0	9	0
	2>	1	0	1	0	0	0	0
	TL>	65	55	55	65	8	40	1
	MN>	0.3	0.4	0.4	0.3	0.0	0.2	0.0
--INFLAMMATION, CHRONIC-ACTIVE	->	65	55	54	65	8	40	1
	2>	0	0	0	0	0	0	0
	3>	0	0	1	0	0	0	0
	TL>	65	55	55	65	8	40	1
	MN>	0.0	0.0	0.1	0.0	0.0	0.0	0.0
--LIPIDOSIS, SUBCAPSULAR (TENSION LIPIDOSIS)	->	65	53	54	63	8	40	1
	2>	0	1	0	0	0	0	0
	3>	0	0	0	0	0	0	0
	4>	0	0	0	2	0	0	0
	5>	0	1	1	0	0	0	0
	TL>	65	55	55	65	8	40	1
	MN>	0.0	0.1	0.1	0.1	0.0	0.0	0.0

Incidence of Severity of Selected Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
TABLE INCLUDES:								
SEX=ALL;GROUP=ALL;WEEKS=ALL	SEX:	----------MALE----------						
DEATH=ALL;FIND=ALL;SUBSET=T								
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN/TISSUE EXAMINED	NUMBER:	70	60	60	70	70	40	40
** FROM PREVIOUS PAGE **								
LIVER (LI)	NUMBER EXAMINED:	65	55	55	65	8	40	1
--MINERALIZATION	->	65	55	55	65	8	40	1
	2>	0	0	0	0	0	0	0
	TL>	65	55	55	65	8	40	1
	MN>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
--NECROSIS, HEPATOCELLULAR	->	64	52	51	63	2	36	0
	1>	0	1	1	1	1	0	0
	2>	0	1	2	1	1	0	0
	3>	1	1	0	0	3	3	1
	4>	0	0	0	0	1	1	0
	5>	0	0	1	0	0	0	0
	TL>	65	55	55	65	8	40	1
	MN>	0.0	0.1	0.2	0.0	2.0	0.3	3.0
--NECROSIS, INDIVIDUAL HEPATOCYTE	->	65	55	55	65	8	40	1
	1>	0	0	0	0	0	0	0
	TL>	65	55	55	65	8	40	1
	MN>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
--PIGMENT	->	65	54	54	64	8	39	1
	1>	0	0	0	0	0	1	0
	2>	0	1	1	1	0	0	0
	TL>	65	55	55	65	8	40	1
	MN>	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Incidence of Severity of Selected Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=T

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
	SEX:	----------MALE----------						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN/TISSUE EXAMINED	NUMBER:	70	60	60	70	70	40	40
** FROM PREVIOUS PAGE **								
LIVER (LI)	NUMBER EXAMINED:	65	55	55	65	8	40	1
--PIGMENT, HEPATOCELLULAR	->	65	55	55	65	8	40	1
	3>	0	0	0	0	0	0	0
	TL>	65	55	55	65	8	40	1
	MN>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
--PIGMENT, KUPFFER CELL	->	65	55	55	65	8	40	1
	1>	0	0	0	0	0	0	0
	TL>	65	55	55	65	8	40	1
	MN>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
--STASIS, BILE	->	65	55	55	64	8	39	1
	1>	0	0	0	1	0	0	0
	2>	0	0	0	0	0	0	0
	3>	0	0	0	0	0	1	0
	TL>	65	55	55	65	8	40	1
	MN>	0.0	0.0	0.0	0.0	0.0	0.1	0.0
--TELANGIECTASIS	->	63	48	52	65	8	40	1
	1>	1	2	1	0	0	0	0
	2>	0	2	1	0	0	0	0
	3>	1	3	1	0	0	0	0
	TL>	65	55	55	65	8	40	1
	MN>	0.1	0.3	0.1	0.0	0.0	0.0	0.0

Incidence of Severity of Selected Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
TABLE INCLUDES: SEX=ALL;GROUP=ALL;WEEKS=ALL; DEATH=ALL;FIND=ALL;SUBSET=T	SEX:	----------MALE----------						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN/TISSUE EXAMINED	NUMBER:	70	60	60	70	70	40	40
** FROM PREVIOUS PAGE **								
LIVER (LI)	NUMBER EXAMINED:	65	55	55	65	8	40	1
--THROMBUS	->	65	54	55	65	8	40	1
	1>	0	0	0	0	0	0	0
	2>	0	1	0	0	0	0	0
	3>	0	0	0	0	0	0	0
	TL>	65	55	55	65	8	40	1
	MN>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
--VACUOLATION, HEPATOCELLULAR	->	48	37	32	26	7	29	1
	1>	6	7	9	12	1	4	0
	2>	4	5	2	10	0	2	0
	3>	4	4	8	11	0	3	0
	4>	1	1	3	2	0	1	0
	5>	2	1	1	4	0	1	0
	TL>	65	55	55	65	8	40	1
	MN>	0.6	0.7	1.0	1.4	0.1	0.7	0.0
--B-ADENOMA, HEPATOCELLULAR	->	63	51	53	60	8	40	1
	+>	2	4	2	5	0	0	0
	TL>	65	55	55	65	8	40	1
--B-CHOLANGIOMA	->	65	55	55	64	8	40	1
	+>	0	0	0	1	0	0	0
	TL>	65	55	55	65	8	40	1

Incidence of Severity of Selected Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=T

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---						
	SEX:	----------MALE----------						
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-7-
ORGAN/TISSUE EXAMINED	NUMBER:	70	60	60	70	70	40	40
** FROM PREVIOUS PAGE **								
LIVER (LI) ..... NUMBER EXAMINED:		65	55	55	65	8	40	1
--M-CARCINOMA, HEPATOCELLULAR	->	65	55	55	65	8	40	1
	+>	0	0	0	0	0	0	0
	TL>	65	55	55	65	8	40	1
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)	->	63	54	54	64	8	39	1
	+>	2	1	1	1	0	1	0
	TL>	65	55	55	65	8	40	1
** END OF LIST **								

APPENDIX 1

Protocol Deviations

Protocol Deviations

Protocol. Test Material. Purity. 98.1% N-EtFOSE (w/w).

Actual Procedure. The purity of the test material, as determined by Centre Analytical Laboratories, Inc. on 26 November 2000, was 97.4%.

Protocol. Animals. Weight at Initiation of Treatment. Animals will weigh 100 to 300 g at initiation.

Actual Procedure. Six animals weighed between 301 to 310 g at initation.

Protocol. Husbandry. Water. Water will be provided *ad libitum*.

Actual Procedure. During the a.m. clinical observations on August 18, 1998, it was noted that animals in Cage Rack 3 were without water. Animals appeared in good condition. Animals involved were not specified in the data.

During the a.m. clinical observations on June 25, 1998, it was noted that Group 4 males were without water. Animals appeared in good condition.

Protocol. Dosing Procedures. Method of Administration. Animals will be offered diet *ad libitum*, unless otherwise specified.

Actual Procedure. Animal No. C91073, Group 6 male, was found without a feed jar on March 8, 1999. Animal No. C90899, Group 3 male, was found without a feed jar on December 8, 1999. Animal No. C91336, Group 4 female, was found with an empty feed jar on May 2, 1999. Animal No. C90934, Group 4 male, was found without a feed jar on January 10, 2000.

Protocol. Dosing Procedures. Dose Preparation. All dose preparations will be stored at room temperature.

Protocol Deviations (Continued)

Actual Procedure. Diets mixed for Weeks 4 through 7 were stored in a refrigerator for approximately 16.5 hours during Week 4.

Protocol. Dosing Procedures. Retention Samples. Samples will be collected from each dose preparation.

Actual Procedure. Samples for the Week 4 through 7 preparation were not collected until February 23, 1998 (Week 5) from the diet that was inadvertently stored in the refrigerator for approximately 16.5 hours.

Protocol. Dosing Procedures. Retention Samples. Unused retention samples will be discarded at least 1 month after completion of the inlife phase.

Actual Procedure. Unused retention samples were discarded on March 21, 2000. Group 1 retention samples for Weeks 64 through 67 were not located.

Protocol. Dose Analyses. Homogeneity. Samples will be analyzed in triplicate.

Actual Procedure. Samples were analyzed in duplicate for the mix on August 26, 1999.

Protocol. Observation of Animals. Clinical Observations. Each animal will be observed twice daily (a.m. and p.m.).

Actual Procedure. Completion of the p.m. observations on August 10, 1999 was not documented in the data.

Protocol. Observation of Animals. Clinical Observations. Animals will be removed from cages weekly and abnormal findings will be recorded.

Protocol Deviations (Continued)

Actual Procedure. During the weekly data collection, Animal No. C91468, Group 6 female, had severe convulsions and died (April 12, 1999). These observations were not documented.

Protocol. Observation of Animals. Body Weights. Body weights will be collected weekly for Weeks 1 through 17.

Actual Procedure. Body weight for Week 5 for Animal No. C91010, Group 5 male, were excluded due to an apparent weighing error.

Protocol. Observation of Animals. Food Consumption. Food consumption will be measured weekly for Weeks 1 through 16.

Actual Procedure. Food consumption for Animal No. C90995, Group 5 male, was excluded for Week 2 due to an apparent weighing error.

Protocol. Clinical Pathology. Blood Films. "Blood films will be taken as part of the necropsy procedure."

Actual Procedure. A blood film was not taken for Animal No. C91211, Group 2 female, at the Week 105 sacrifice.

Protocol. Serum Analyses. Method of Collection. Approximately 3 mL of blood will be collected at the Week 105 sacrifice for possible future serum analyses.

Actual Procedure. A sample was not obtained for Animal No. C91211, Group 2 female, at the Week 105 sacrifice.

Protocol Deviations (Continued)

Protocol. Hepatocellular Proliferation and Biochemical Analyses. Palmitoyl-CoA Oxidase Tissue Collection and Analyses. A 500-mg sample of the right lateral lobe of the liver will be collected.

Actual Procedure. A 500-mg sample from the right median lobe was collected for the following animals at Week 14. Animal Nos. C90831, C90797 (Group 2 males), C91281 (Group 3 female), C90780 (Group 1 male), C90960 (Group 4 male), C91241 (Group 2 female), and C91370 (Group 4 female).

Protocol. Termination. Uncheduled Sacrifices and Deaths. Animals sacrificed during or after Week 13 will be anesthetized with carbon dioxide.

Actual Procedure. Animal Nos. C90806 and C90808 (Group 2 male) and Animal No. C91484 (Group 6 female) were sacrificed using sodium pentobarbital.

Protocol. Termination. Unscheduled Sacrifices and Deaths. Animals will be weighed prior to exsanguination.

Actual Procedure. The following animals were not weighed: Animal Nos. C91139, Group 1 female; C90806, Group 2 male, C91203, Group 2 female; C91210, Group 2 female; C90849, Group 3 male; C90946, Group 4 male; C90949, Group 4 male; C91358, Group 4 female; C91029, Group 5 male; and C91068, Group 6 male.

Protocol. Postmortem Procedures. Organ Weights Specified organs will be weighed at the Week 8 sacrifice.

Actual Procedure. Due to an apparent weighing error, organ weights for the left thyroid/parathyroid for Animal Nos. C90756 (Group 1 male), C91017 (Group 5 male), and C91393 (Group 5 female) were excluded.

Protocol Deviations (Continued)

Protocol. Postmortem Procedures. Tissue Preservation. Lesions will be collected from each animal that dies at an unscheduled interval.

Actual Procedure. The last inlife observation for Animal No. C91268, Group 3 female, of crusted footpad for the left hindfoot was confirmed at necropsy. This lesion was not collected and the right hindfoot was inadvertently collected.

Protocol. Postmortem Procedures. Tissue Preservation. Mandibular salivary gland will be collected, preserved, and examined microscopically for animals in Group 4.

Actual Procedure. Two sets of mandibular salivary glands were noted in the wet tissue collection for Animal No. C91312, Group 4 female. Neither set was submitted for microscopic examination.

Protocol. Postmortem Procedures. Tissue Preservation. The following tissues from each animal will be preserved in 10% neutral-bufferd formalin.

Actual Procedure. Some tissues, required by protocol, were not available for preservation or histopathologic examination. Missing tissues are listed with appropriate comments in the pathology data sheets for individual animals. Summary tables do not include them as having been examined.

These deviations are not expected to have affected the results of the study.

COVANCE
THE DEVELOPMENT SERVICES COMPANY

Sponsor:

3M
St. Paul, Minnesota

FINAL REPORT

Study Title:

104-Week Dietary Carcinogenicity Study with Narrow Range (98.1%) N-Ethyl Perfluorooctanesulfonamido Ethanol in Rats

Author:

Peter J. Thomford, PhD

Study Completion Date:

December 13, 2001

Testing Facility:

Covance Laboratories Inc.
3301 Kinsman Boulevard
Madison, Wisconsin 53704-2595

Laboratory Study Identification:

Covance 6329-212

Sponsor Study Identification:

3M T-6316.1

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APPENDIX 2

Individual Animal Fate Data
Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C90711	1	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	07/26/99	547	79
C90712	1	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C90713	1	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/10/99	684	98
C90714	1	MALE	4	SCHEDULED	FOURTH INTERIM SACRIFICE	01/27/99	367	53
C90715	1	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/05/99	649	93
C90716	1	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C90717	1	MALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	03/20/98	54	8
C90718	1	MALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	03/20/98	54	8
C90719	1	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	02/18/98	24	4
C90720	1	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	10/05/99	618	89
C90721	1	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	11/26/98	305	44
C90722	1	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C90723	1	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/22/99	421	61
C90724	1	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C90725	1	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	02/18/98	24	4
C90726	1	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C90727	1	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/29/99	673	97
C90728	1	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C90729	1	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	11/01/99	645	93
C90730	1	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	05/20/99	480	69
C90731	1	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/29/98	94	14
C90732	1	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	02/18/98	24	4
C90733	1	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	11/22/99	666	96
C90734	1	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	08/02/99	554	80
C90735	1	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C90736	1	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/13/99	504	72
C90737	1	MALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	03/20/98	54	8
C90738	1	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	12/15/99	689	99
C90739	1	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/09/00	714	102
C90740	1	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	04/26/99	456	66
C90741	1	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/22/99	696	100
C90742	1	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C90743	1	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C90744	1	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/21/99	604	87

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C90745	1	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	07/12/99	533	77
C90746	1	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/29/98	94	14
C90747	1	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C90748	1	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/29/98	94	14
C90749	1	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/03/99	647	93
C90750	1	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C90751	1	MALE	4	SCHEDULED	FOURTH INTERIM SACRIFICE	01/27/99	367	53
C90752	1	MALE	4	SCHEDULED	FOURTH INTERIM SACRIFICE	01/27/99	367	53
C90753	1	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	02/18/98	24	4
C90754	1	MALE	4	SCHEDULED	FOURTH INTERIM SACRIFICE	01/27/99	367	53
C90755	1	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	12/21/99	695	100
C90756	1	MALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	03/20/98	54	8
C90757	1	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	05/28/99	488	70
C90758	1	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C90759	1	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/14/99	597	86
C90760	1	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	09/10/99	593	85
C90761	1	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	11/18/99	662	95
C90762	1	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	07/27/99	548	79
C90763	1	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/21/99	604	87
C90764	1	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	09/04/99	587	84
C90765	1	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C90766	1	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	04/10/99	440	63
C90767	1	MALE	4	SCHEDULED	FOURTH INTERIM SACRIFICE	01/27/99	367	53
C90768	1	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/29/98	94	14
C90769	1	MALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	03/20/98	54	8
C90770	1	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/27/99	640	92
C90771	1	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/11/99	655	94
C90772	1	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/29/99	428	62
C90773	1	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	04/25/99	455	65
C90774	1	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/09/99	500	72
C90775	1	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	02/18/98	24	4
C90776	1	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	12/22/99	696	100
C90777	1	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/29/99	612	88
C90778	1	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/27/00	732	105

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C90779	1	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/03/99	647	93
C90780	1	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/29/98	94	14
C90781	2	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C90782	2	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C90783	2	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C90784	2	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/08/99	652	94
C90785	2	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C90786	2	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	11/02/99	646	93
C90787	2	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C90788	2	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/27/00	732	105
C90789	2	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	02/18/98	24	4
C90790	2	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	08/09/99	561	81
C90791	2	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/27/00	732	105
C90792	2	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/25/99	396	57
C90793	2	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	07/19/99	540	78
C90794	2	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C90795	2	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/01/99	400	58
C90796	2	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	03/13/99	412	59
C90797	2	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/29/98	94	14
C90798	2	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/29/99	703	101
C90799	2	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C90800	2	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	08/26/99	578	83
C90801	2	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	12/11/99	685	98
C90802	2	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	08/10/99	562	81
C90803	2	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	11/07/99	651	93
C90804	2	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C90805	2	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/24/99	423	61
C90806	2	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/21/98	239	35
C90807	2	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/29/98	94	14
C90808	2	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	05/31/99	491	71
C90809	2	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/27/00	732	105
C90810	2	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C90811	2	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C90812	2	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C90813	2	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/18/98	52	8
C90814	2	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	02/18/98	24	4
C90815	2	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C90816	2	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/15/99	598	86
C90817	2	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	02/18/98	24	4
C90818	2	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/29/98	94	14
C90819	2	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	10/28/99	641	92
C90820	2	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	05/25/99	485	70
C90821	2	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	12/21/99	695	100
C90822	2	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	07/12/99	533	77
C90823	2	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C90824	2	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	08/09/99	561	81
C90825	2	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	12/11/99	685	98
C90826	2	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	10/29/99	642	92
C90827	2	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	05/11/99	471	68
C90828	2	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	08/08/99	560	80
C90829	2	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C90830	2	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C90831	2	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/29/98	94	14
C90832	2	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C90833	2	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	02/18/98	24	4
C90834	2	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	02/18/98	24	4
C90835	2	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/27/00	732	105
C90836	2	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/29/98	94	14
C90837	2	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/21/99	512	74
C90838	2	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C90839	2	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	12/19/99	693	99
C90840	2	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C90841	3	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/03/99	677	97
C90842	3	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C90843	3	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/29/98	94	14
C90844	3	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C90845	3	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	07/26/99	547	79
C90846	3	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	02/18/98	24	4

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C90847	3	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/13/99	687	99
C90848	3	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	07/05/99	526	76
C90849	3	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	07/19/99	540	78
C90850	3	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C90851	3	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C90852	3	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/29/98	94	14
C90853	3	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	02/18/98	24	4
C90854	3	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C90855	3	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/27/00	732	105
C90856	3	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C90857	3	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/14/00	719	103
C90858	3	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C90859	3	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	05/19/99	479	69
C90860	3	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C90861	3	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/04/99	495	71
C90862	3	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	05/17/99	477	69
C90863	3	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/29/98	94	14
C90864	3	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C90865	3	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/27/00	732	105
C90866	3	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	02/18/98	24	4
C90867	3	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C90868	3	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/17/99	508	73
C90869	3	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C90870	3	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	08/02/99	554	80
C90871	3	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C90872	3	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	10/24/99	637	91
C90873	3	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/17/99	508	73
C90874	3	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	05/03/99	463	67
C90875	3	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	10/19/99	632	91
C90876	3	MALE	A	UNSCHEDULED	UNSCHEDULED DEATH	02/15/99	386	56
C90877	3	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/29/98	94	14
C90878	3	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	01/29/99	369	53
C90879	3	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	08/09/99	561	81
C90880	3	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/29/98	94	14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C90881	3	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C90882	3	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C90883	3	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/27/00	732	105
C90884	3	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C90885	3	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C90886	3	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/18/99	631	91
C90887	3	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	05/17/99	477	69
C90888	3	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	08/09/99	561	81
C90889	3	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C90890	3	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	02/18/98	24	4
C90891	3	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	02/18/98	24	4
C90892	3	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	07/12/99	533	77
C90893	3	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C90894	3	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/10/99	684	98
C90895	3	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	11/13/99	657	94
C90896	3	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/07/99	498	72
C90897	3	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	11/17/99	661	95
C90898	3	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	04/01/99	431	62
C90899	3	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/17/00	722	104
C90900	3	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C90901	4	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	06/21/99	512	74
C90902	4	MALE	4	SCHEDULED	FOURTH INTERIM SACRIFICE	01/27/99	367	53
C90903	4	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	12/29/99	703	101
C90904	4	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C90905	4	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/29/98	94	14
C90906	4	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/08/00	713	102
C90907	4	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/29/98	94	14
C90908	4	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C90909	4	MALE	4	SCHEDULED	FOURTH INTERIM SACRIFICE	01/27/99	367	53
C90910	4	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/27/00	732	105
C90911	4	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C90912	4	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	08/16/99	568	82
C90913	4	MALE	4	SCHEDULED	FOURTH INTERIM SACRIFICE	01/27/99	367	53
C90914	4	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/22/99	696	100

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C90915	4	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	11/22/99	666	96
C90916	4	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C90917	4	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/29/98	94	14
C90918	4	MALE	4	SCHEDULED	FOURTH INTERIM SACRIFICE	01/27/99	367	53
C90919	4	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	07/30/99	551	79
C90920	4	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/22/00	727	104
C90921	4	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/29/98	94	14
C90922	4	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	04/12/99	442	64
C90923	4	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/18/99	601	86
C90924	4	MALE	4	SCHEDULED	FOURTH INTERIM SACRIFICE	01/27/99	367	53
C90925	4	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/02/99	646	93
C90926	4	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C90927	4	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C90928	4	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C90929	4	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	05/17/99	477	69
C90930	4	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/11/99	624	90
C90931	4	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/06/99	680	98
C90932	4	MALE	4	SCHEDULED	FOURTH INTERIM SACRIFICE	01/27/99	367	53
C90933	4	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C90934	4	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/14/00	719	103
C90935	4	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	02/18/98	24	4
C90936	4	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/31/99	705	101
C90937	4	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/10/00	715	103
C90938	4	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	05/21/99	481	69
C90939	4	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	02/18/98	24	4
C90940	4	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	04/12/99	442	64
C90941	4	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/27/99	610	88
C90942	4	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	02/18/98	24	4
C90943	4	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	10/26/99	639	92
C90944	4	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C90945	4	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/30/98	309	45
C90946	4	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	07/19/99	540	78
C90947	4	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C90948	4	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C90949	4	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	04/21/98	86	13
C90950	4	MALE	4	SCHEDULED	FOURTH INTERIM SACRIFICE	01/27/99	367	53
C90951	4	MALE	4	SCHEDULED	FOURTH INTERIM SACRIFICE	01/27/99	367	53
C90952	4	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/12/99	411	59
C90953	4	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C90954	4	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	05/19/99	479	69
C90955	4	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/27/00	732	105
C90956	4	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C90957	4	MALE	4	SCHEDULED	FOURTH INTERIM SACRIFICE	01/27/99	367	53
C90958	4	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	11/12/99	656	94
C90959	4	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/17/99	600	86
C90960	4	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/29/98	94	14
C90961	4	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	02/18/98	24	4
C90962	4	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/01/99	492	71
C90963	4	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/18/99	509	73
C90964	4	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/24/99	515	74
C90965	4	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C90966	4	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	02/18/98	24	4
C90967	4	MALE	4	SCHEDULED	FOURTH INTERIM SACRIFICE	01/27/99	367	53
C90968	4	MALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C90969	4	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	09/10/99	593	85
C90970	4	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/23/99	697	100
C90971	5	MALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	03/20/98	54	8
C90972	5	MALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	03/20/98	54	8
C90973	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C90974	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C90975	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C90976	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C90977	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C90978	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C90979	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C90980	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C90981	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C90982	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C90983	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C90984	5	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	02/18/98	24	4
C90985	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C90986	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C90987	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C90988	5	MALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	03/20/98	54	8
C90989	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C90990	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C90991	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C90992	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C90993	5	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	03/19/98	53	8
C90994	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C90995	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C90996	5	MALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	03/20/98	54	8
C90997	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C90998	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C90999	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91000	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91001	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91002	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91003	5	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	03/11/98	45	7
C91004	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91005	5	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	02/18/98	24	4
C91006	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91007	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91008	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91009	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91010	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91011	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91012	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91013	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91014	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91015	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91016	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C91017	5	MALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	03/20/98	54	8
C91018	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91019	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91020	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91021	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91022	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91023	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91024	5	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	02/18/98	24	4
C91025	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91026	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91027	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91028	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91029	5	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/15/98	49	7
C91030	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91031	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91032	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91033	5	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	02/18/98	24	4
C91034	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91035	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91036	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91037	5	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	02/18/98	24	4
C91038	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91039	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91040	5	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91041	6	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/22/99	421	61
C91042	6	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	11/06/99	650	93
C91043	6	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/07/99	590	85
C91044	6	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	04/13/99	443	64
C91045	6	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/13/99	353	51
C91046	6	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/10/98	44	7
C91047	6	MALE	U	SCHEDULED	FIRST POST-RECOV SAC	01/27/00	732	105
C91048	6	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	08/02/99	554	80
C91049	6	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	11/16/98	295	43
C91050	6	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	01/14/00	719	103

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C91051	6	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/05/99	618	89
C91052	6	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	05/10/99	470	68
C91053	6	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	08/28/99	580	83
C91054	6	MALE	U	SCHEDULED	FIRST POST-RECOV SAC	01/27/00	732	105
C91055	6	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	08/17/99	569	82
C91056	6	MALE	U	SCHEDULED	FIRST POST-RECOV SAC	01/27/00	732	105
C91057	6	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	06/19/99	510	73
C91058	6	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	08/23/99	575	83
C91059	6	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	08/24/99	576	83
C91060	6	MALE	U	SCHEDULED	FIRST POST-RECOV SAC	01/27/00	732	105
C91061	6	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	10/14/99	627	90
C91062	6	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/01/99	645	93
C91063	6	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/23/99	697	100
C91064	6	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	12/05/99	679	97
C91065	6	MALE	U	SCHEDULED	FIRST POST-RECOV SAC	01/27/00	732	105
C91066	6	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/15/99	598	86
C91067	6	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	12/22/99	696	100
C91068	6	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	04/13/98	78	12
C91069	6	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	09/02/99	585	84
C91070	6	MALE	U	SCHEDULED	FIRST POST-RECOV SAC	01/27/00	732	105
C91071	6	MALE	U	SCHEDULED	FIRST POST-RECOV SAC	01/27/00	732	105
C91072	6	MALE	U	SCHEDULED	FIRST POST-RECOV SAC	01/27/00	732	105
C91073	6	MALE	U	SCHEDULED	FIRST POST-RECOV SAC	01/27/00	732	105
C91074	6	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/06/00	711	102
C91075	6	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	07/19/99	540	78
C91076	6	MALE	U	SCHEDULED	FIRST POST-RECOV SAC	01/27/00	732	105
C91077	6	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/05/99	588	84
C91078	6	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	11/05/99	649	93
C91079	6	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/07/99	590	85
C91080	6	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	12/07/99	681	98
C91081	7	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91082	7	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91083	7	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91084	7	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C91085	7	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91086	7	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91087	7	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91088	7	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91089	7	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91090	7	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91091	7	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91092	7	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91093	7	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91094	7	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91095	7	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91096	7	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91097	7	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91098	7	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91099	7	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	03/05/98	39	6
C91100	7	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91101	7	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91102	7	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91103	7	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91104	7	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91105	7	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91106	7	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91107	7	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91108	7	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91109	7	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91110	7	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91111	7	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91112	7	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91113	7	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91114	7	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91115	7	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91116	7	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91117	7	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91118	7	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C91119	7	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91120	7	MALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91121	1	FEMALE	4	SCHEDULED	FOURTH INTERIM SACRIFICE	01/27/99	367	53
C91122	1	FEMALE	4	SCHEDULED	FOURTH INTERIM SACRIFICE	01/27/99	367	53
C91123	1	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	12/09/99	683	98
C91124	1	FEMALE	4	SCHEDULED	FOURTH INTERIM SACRIFICE	01/27/99	367	53
C91125	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/27/99	671	96
C91126	1	FEMALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	03/20/98	54	8
C91127	1	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C91128	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	07/02/99	523	75
C91129	1	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/29/98	94	14
C91130	1	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	07/13/99	534	77
C91131	1	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C91132	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/05/99	618	89
C91133	1	FEMALE	4	SCHEDULED	FOURTH INTERIM SACRIFICE	01/27/99	367	53
C91134	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/28/99	519	75
C91135	1	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	02/18/98	24	4
C91136	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/11/99	624	90
C91137	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/10/00	715	103
C91138	1	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/27/00	732	105
C91139	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	04/02/99	432	62
C91140	1	FEMALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	03/20/98	54	8
C91141	1	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	08/06/99	558	80
C91142	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/14/99	505	73
C91143	1	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	02/18/98	24	4
C91144	1	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C91145	1	FEMALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	03/20/98	54	8
C91146	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/28/99	519	75
C91147	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	07/14/99	535	77
C91148	1	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C91149	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/27/99	610	88
C91150	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	07/05/99	526	76
C91151	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/21/99	512	74
C91152	1	FEMALE	4	SCHEDULED	FOURTH INTERIM SACRIFICE	01/27/99	367	53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C91153	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	08/09/99	561	81
C91154	1	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	07/20/99	541	78
C91155	1	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/29/98	94	14
C91156	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/28/99	519	75
C91157	1	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C91158	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/08/99	652	94
C91159	1	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C91160	1	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/29/98	94	14
C91161	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/22/99	421	61
C91162	1	FEMALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	03/20/98	54	8
C91163	1	FEMALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	03/20/98	54	8
C91164	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/15/99	659	95
C91165	1	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	02/18/98	24	4
C91166	1	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C91167	1	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	01/12/00	717	103
C91168	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/05/99	588	84
C91169	1	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	02/18/98	24	4
C91170	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/05/99	618	89
C91171	1	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	02/18/98	24	4
C91172	1	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C91173	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/05/99	404	58
C91174	1	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/29/98	94	14
C91175	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/17/99	600	86
C91176	1	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C91177	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/08/99	652	94
C91178	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/18/99	631	91
C91179	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/15/98	324	47
C91180	1	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	04/16/99	446	64
C91181	1	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/29/98	94	14
C91182	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/27/99	610	88
C91183	1	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C91184	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/16/99	629	90
C91185	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	05/04/99	464	67
C91186	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/06/99	680	98

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C91187	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/18/99	509	73
C91188	1	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C91189	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/01/99	645	93
C91190	1	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C91191	2	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	12/06/99	680	98
C91192	2	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/29/98	94	14
C91193	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/18/99	631	91
C91194	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/23/00	728	104
C91195	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/20/99	694	100
C91196	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	08/27/99	579	83
C91197	2	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C91198	2	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	02/18/98	24	4
C91199	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/29/99	673	97
C91200	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/24/99	607	87
C91201	2	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C91202	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/07/99	590	85
C91203	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	07/11/99	532	76
C91204	2	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	03/27/99	426	61
C91205	2	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	02/18/98	24	4
C91206	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/28/99	519	75
C91207	2	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C91208	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/28/99	519	75
C91209	2	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	06/29/99	520	75
C91210	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	07/02/99	523	75
C91211	2	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C91212	2	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	05/07/99	467	67
C91213	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	07/14/99	535	77
C91214	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/13/99	687	99
C91215	2	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	02/07/99	378	54
C91216	2	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C91217	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	05/12/99	472	68
C91218	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/29/99	673	97
C91219	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/27/99	610	88
C91220	2	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/27/00	732	105

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C91221	2	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C91222	2	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	02/18/98	24	4
C91223	2	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/29/98	94	14
C91224	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/02/99	676	97
C91225	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/02/99	585	84
C91226	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/13/99	596	86
C91227	2	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C91228	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/08/99	652	94
C91229	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/08/99	652	94
C91230	2	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	02/18/98	24	4
C91231	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/26/99	639	92
C91232	2	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C91233	2	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/29/98	94	14
C91234	2	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	04/29/99	459	66
C91235	2	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C91236	2	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C91237	2	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	02/18/98	24	4
C91238	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	05/10/99	470	68
C91239	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/01/99	400	58
C91240	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	07/29/99	550	79
C91241	2	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/29/98	94	14
C91242	2	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C91243	2	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C91244	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	05/07/99	467	67
C91245	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/24/99	668	96
C91246	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/21/99	604	87
C91247	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/17/99	508	73
C91248	2	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/29/98	94	14
C91249	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/29/99	673	97
C91250	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/14/99	505	73
C91251	3	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	02/18/98	24	4
C91252	3	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C91253	3	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C91254	3	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C91255	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/22/99	513	74
C91256	3	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C91257	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	08/27/99	579	83
C91258	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/17/99	600	86
C91259	3	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	04/08/99	438	63
C91260	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/18/99	509	73
C91261	3	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	12/15/99	689	99
C91262	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/05/99	618	89
C91263	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/07/99	498	72
C91264	3	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C91265	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/09/99	653	94
C91266	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/18/00	723	104
C91267	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	05/04/99	464	67
C91268	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/29/99	673	97
C91269	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	08/26/99	578	83
C91270	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/08/99	407	59
C91271	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/09/99	653	94
C91272	3	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	02/18/98	24	4
C91273	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	08/09/99	561	81
C91274	3	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	05/30/99	490	70
C91275	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	05/20/99	480	69
C91276	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/29/99	673	97
C91277	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/07/99	498	72
C91278	3	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C91279	3	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C91280	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/07/99	681	98
C91281	3	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/29/98	94	14
C91282	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/25/99	365	53
C91283	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/03/99	647	93
C91284	3	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	12/20/99	694	100
C91285	3	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	02/18/98	24	4
C91286	3	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C91287	3	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	02/18/98	24	4
C91288	3	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/29/98	94	14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C91289	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/17/99	508	73
C91290	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/08/99	407	59
C91291	3	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	02/18/98	24	4
C91292	3	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C91293	3	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/29/98	94	14
C91294	3	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C91295	3	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/27/00	732	105
C91296	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/13/99	596	86
C91297	3	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	10/23/99	636	91
C91298	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/21/99	512	74
C91299	3	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/29/98	94	14
C91300	3	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	08/27/99	579	83
C91301	3	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C91302	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/13/99	504	72
C91303	3	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C91304	3	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/29/98	94	14
C91305	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/21/99	604	87
C91306	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/10/00	715	103
C91307	3	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C91308	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	05/20/99	480	69
C91309	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	05/04/99	464	67
C91310	3	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/27/00	732	105
C91311	4	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	04/14/99	444	64
C91312	4	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/01/99	675	97
C91313	4	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/25/99	608	87
C91314	4	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/21/99	512	74
C91315	4	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C91316	4	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	02/18/98	24	4
C91317	4	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	02/18/98	24	4
C91318	4	FEMALE	A	UNSCHEDULED	UNSCHEDULED DEATH	05/07/98	102	15
C91319	4	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	05/26/99	486	70
C91320	4	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	07/26/99	547	79
C91321	4	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/10/99	654	94
C91322	4	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/25/98	151	22

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C91323	4	FEMALE	4	SCHEDULED	FOURTH INTERIM SACRIFICE	01/27/99	367	53
C91324	4	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C91325	4	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/10/00	715	103
C91326	4	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/13/99	596	86
C91327	4	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C91328	4	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	04/07/99	437	63
C91329	4	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/29/98	94	14
C91330	4	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/07/99	590	85
C91331	4	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	07/20/99	541	78
C91332	4	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C91333	4	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	02/18/98	24	4
C91334	4	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	12/31/99	705	101
C91335	4	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C91336	4	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C91337	4	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/29/98	94	14
C91338	4	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C91339	4	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/06/99	680	98
C91340	4	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C91341	4	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C91342	4	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C91343	4	FEMALE	4	SCHEDULED	FOURTH INTERIM SACRIFICE	01/27/99	367	53
C91344	4	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/10/00	715	103
C91345	4	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	02/18/98	24	4
C91346	4	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/11/99	502	72
C91347	4	FEMALE	4	SCHEDULED	FOURTH INTERIM SACRIFICE	01/27/99	367	53
C91348	4	FEMALE	4	SCHEDULED	FOURTH INTERIM SACRIFICE	01/27/99	367	53
C91349	4	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	03/11/99	410	59
C91350	4	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	02/18/98	24	4
C91351	4	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/01/99	645	93
C91352	4	FEMALE	4	SCHEDULED	FOURTH INTERIM SACRIFICE	01/27/99	367	53
C91353	4	FEMALE	4	SCHEDULED	FOURTH INTERIM SACRIFICE	01/27/99	367	53
C91354	4	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/27/99	610	88
C91355	4	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/29/98	94	14
C91356	4	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/27/00	732	105

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C91357	4	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C91358	4	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	07/02/99	523	75
C91359	4	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	07/25/99	546	78
C91360	4	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C91361	4	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C91362	4	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/27/00	732	105
C91363	4	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/29/99	673	97
C91364	4	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	01/02/00	707	101
C91365	4	FEMALE	4	SCHEDULED	FOURTH INTERIM SACRIFICE	01/27/99	367	53
C91366	4	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/17/99	600	86
C91367	4	FEMALE	4	SCHEDULED	FOURTH INTERIM SACRIFICE	01/27/99	367	53
C91368	4	FEMALE	4	SCHEDULED	FOURTH INTERIM SACRIFICE	01/27/99	367	53
C91369	4	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/21/99	512	74
C91370	4	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/29/98	94	14
C91371	4	FEMALE	4	SCHEDULED	FOURTH INTERIM SACRIFICE	01/27/99	367	53
C91372	4	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/26/00	731	105
C91373	4	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	05/17/99	477	69
C91374	4	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/06/99	680	98
C91375	4	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	08/27/99	579	83
C91376	4	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C91377	4	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	06/06/99	497	71
C91378	4	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/27/00	732	105
C91379	4	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/29/98	94	14
C91380	4	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	01/25/00	730	105
C91381	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91382	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91383	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91384	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91385	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91386	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91387	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91388	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91389	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91390	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C91391	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91392	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91393	5	FEMALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	03/20/98	54	8
C91394	5	FEMALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	03/20/98	54	8
C91395	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91396	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91397	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91398	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91399	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91400	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91401	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91402	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91403	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91404	5	FEMALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	03/20/98	54	8
C91405	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91406	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91407	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91408	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91409	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91410	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91411	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91412	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91413	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91414	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91415	5	FEMALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	03/20/98	54	8
C91416	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91417	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91418	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91419	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91420	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91421	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91422	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91423	5	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	02/18/98	24	4
C91424	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C91425	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91426	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91427	5	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	02/18/98	24	4
C91428	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91429	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91430	5	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	02/18/98	24	4
C91431	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91432	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91433	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91434	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91435	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91436	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91437	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91438	5	FEMALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	03/20/98	54	8
C91439	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91440	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91441	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91442	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91443	5	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	02/18/98	24	4
C91444	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91445	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91446	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91447	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91448	5	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	02/18/98	24	4
C91449	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91450	5	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91451	6	FEMALE	U	SCHEDULED	FIRST POST-RECOV SAC	01/27/00	732	105
C91452	6	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/21/99	512	74
C91453	6	FEMALE	U	SCHEDULED	FIRST POST-RECOV SAC	01/27/00	732	105
C91454	6	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	08/26/99	578	83
C91455	6	FEMALE	U	SCHEDULED	FIRST POST-RECOV SAC	01/27/00	732	105
C91456	6	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	07/12/99	533	77
C91457	6	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/23/99	667	96
C91458	6	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	04/05/99	435	63

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C91459	6	FEMALE	U	SCHEDULED	FIRST POST-RECOV SAC	01/27/00	732	105
C91460	6	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	03/30/99	429	62
C91461	6	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/17/99	600	86
C91462	6	FEMALE	U	SCHEDULED	FIRST POST-RECOV SAC	01/27/00	732	105
C91463	6	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/25/99	608	87
C91464	6	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/21/99	512	74
C91465	6	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/11/99	624	90
C91466	6	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/03/99	647	93
C91467	6	FEMALE	U	SCHEDULED	FIRST POST-RECOV SAC	01/27/00	732	105
C91468	6	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	04/12/99	442	64
C91469	6	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	06/09/99	500	72
C91470	6	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	05/17/99	477	69
C91471	6	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/01/99	675	97
C91472	6	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/06/99	680	98
C91473	6	FEMALE	U	SCHEDULED	FIRST POST-RECOV SAC	01/27/00	732	105
C91474	6	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/01/99	645	93
C91475	6	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/23/99	697	100
C91476	6	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	08/05/99	557	80
C91477	6	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/13/99	596	86
C91478	6	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	09/10/99	593	85
C91479	6	FEMALE	U	SCHEDULED	FIRST POST-RECOV SAC	01/27/00	732	105
C91480	6	FEMALE	U	SCHEDULED	FIRST POST-RECOV SAC	01/27/00	732	105
C91481	6	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/18/99	509	73
C91482	6	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/01/99	645	93
C91483	6	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	11/22/99	666	96
C91484	6	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	05/31/99	491	71
C91485	6	FEMALE	U	SCHEDULED	FIRST POST-RECOV SAC	01/27/00	732	105
C91486	6	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/27/99	640	92
C91487	6	FEMALE	U	SCHEDULED	FIRST POST-RECOV SAC	01/27/00	732	105
C91488	6	FEMALE	U	SCHEDULED	FIRST POST-RECOV SAC	01/27/00	732	105
C91489	6	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	08/09/99	561	81
C91490	6	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	08/23/99	575	83
C91491	7	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91492	7	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C91493	7	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91494	7	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91495	7	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91496	7	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91497	7	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91498	7	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91499	7	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91500	7	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91501	7	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91502	7	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91503	7	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91504	7	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91505	7	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91506	7	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91507	7	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91508	7	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91509	7	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91510	7	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91511	7	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91512	7	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91513	7	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91514	7	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91515	7	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91516	7	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91517	7	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91518	7	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91519	7	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91520	7	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91521	7	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91522	7	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91523	7	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91524	7	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91525	7	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91526	7	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C91527	7	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91528	7	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91529	7	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8
C91530	7	FEMALE	6	SCHEDULED	SACRIFICED AND DISCARDED	03/20/98	54	8

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90711	M	79	APPEARANCE	
			HUNCHED	547
			THIN	526, 533, 540, 547
			BEHAVIOR	
			RECUMBENT	
			LATERAL	547
			EXCRETION	
			FEW FECES	526, 533, 540, 547
			EYES	
			RED DISCHARGE	
			EYE-RIGHT	414, 449, 456
			SQUINTED	
			PERI-ORBITAL	547
			RESPIRATION	
			LABORED	547
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 421, 428, 435, 442, 463, 470, 477, 484, 491 498, 505, 512, 519

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90712	T	105	APPEARANCE	
			HUNCHED	727, 729, 731
			MALOCCLUSION	92, 99, 106, 113, 120, 127, 176, 183, 190, 197, 204, 211, 218 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673 680, 687, 694, 701, 708, 715, 722, 727, 729, 731
			THIN	727, 729, 731
			BEHAVIOR	
			HYPOACTIVE	729, 731
			EXCRETION	
			FEW FECES	729, 731
			NO FECES	727
			NONFORMED FECES	113, 358, 365, 372
			SKIN & PELAGE	
			PALE	
			ENTIRE BODY	729, 731
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 134, 141, 148 155, 162, 169

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90713	M	98	APPEARANCE	
			THIN	666, 673, 680, 684
			BEHAVIOR	
			RECUMBENT	
			LATERAL	684
			EXCRETION	
			NONFORMED FECES	113, 155, 218
			EYES	
			PALE	
			EYE-RIGHT	680, 684
			RESPIRATION	
			LABORED	684
			SKIN & PELAGE	
			BROWN HAIR COAT	
			PERINEAL AREA	680, 684
			SORE/SCAB	
			AXILLARY REGION-RIGHT	554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638 645, 652, 659, 666, 673, 680, 684
			TAIL	267, 274, 281
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 120, 127, 134, 141, 148, 162, 169, 176, 183, 190, 197, 204, 211 225, 232, 239, 246, 253, 260, 288, 295, 302, 309, 316, 323, 330 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421 428, 435, 442, 449, 456, 463, 470, 477, 484

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90713	M	98	MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 71	491C, 498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C 568C, 575C
C90714	4	53	EXCRETION	
			NONFORMED FECES	113, 218
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204 211, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302 309, 316, 323, 330, 337, 344, 351, 358, 365, 367
C90715	M	93	APPEARANCE	
			MALOCCLUSION	631, 638, 645, 648-649
			THIN	648-649
			BEHAVIOR	
			HYPOACTIVE	649
			EXCRETION	
			FEW FECES	648
			NO FECES	649
			SKIN & PELAGE	
			BROWN HAIR COAT	
			PERINEAL AREA	649
			VENTRAL-ABDOMINAL	649
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90715	M	93	NORMAL	
			NO REMARKABLE OBSERVATIONS	113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624
C90716	T	105	SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687 694, 701, 708, 715, 722, 729-730
			HEAD-CRANIAL	526, 533, 540, 547, 554, 561, 568, 575, 582
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 589, 596
			WART LIKE LESION(S)	
			DORSAL	
			WEEK 105	729-730

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90717	2	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 54
C90718	2	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 54
C90719	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 24
C90720	D	89	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617-618
C90721	D	44	APPEARANCE	
			SWOLLEN	
			LIMB-HIND-LEFT	64, 71, 78, 85
			BEHAVIOR	
			RECUMBENT	
			STERNAL	302
			EXCRETION	
			FEW FECES	302, 305
			NO FECES	281

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER	GROUP: M1 DOSE: 0 PPM DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90721	D	44	EYES	
			RED DISCHARGE	
			EYES	281, 288
			SKIN & PELAGE	
			BROWN HAIR COAT	
			PERINEAL AREA	302, 305
			PALE	
			ENTIRE BODY	302, 305
			SORE/SCAB	
			LATERAL-CERVICAL-LEFT	8, 15, 22, 29
			LATERAL-CERVICAL-RIGHT	8, 15, 22, 29
			VENTRAL-CERVICAL	281
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 36, 43, 50, 57, 92, 99, 106, 113, 120, 127, 155, 162, 169 176, 183, 190, 197, 204, 211, 218, 225, 232, 239, 246, 253, 260 267, 274
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 43	295C
			MOUTH	
			WEEK 20	134, 141, 148
			VENTRAL-THORACIC	
			WEEK 42	288, 295C, 302C, 305C

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90722	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729-730
C90723	M	61	APPEARANCE	
			PROTRUDING PENIS	421
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414
C90724	T	105	SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-RIGHT	603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687 694, 701, 708, 715, 722, 729-730
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90724	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	568, 575, 582, 589, 596
C90725	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 24
C90726	T	105	APPEARANCE	
			MALOCCLUSION	526, 547, 554, 561, 568
			SKIN & PELAGE	
			SORE/SCAB	
			DORSAL	204, 211, 218, 225, 232, 239
			PAW-HIND-RIGHT	701, 708, 715, 722, 729, 731
			PAWS-HIND	526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 694
			YELLOW HAIR COAT	603, 610, 617, 624, 631, 638, 645, 652, 659, 666
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323, 330 337, 344
			WART LIKE LESION(S)	
			DORSAL	
			WEEK 51	351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435 442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512, 519, 526 533, 540, 547, 554, 561, 568

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90727	M	97	APPEARANCE	
			THIN	666, 673
			EYES	
			RED DISCHARGE	
			EYE-RIGHT	673
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652
			WART LIKE LESION(S)	
			PAW-FRONT-LEFT	
			WEEK 95	659, 666, 673
			PAW-FRONT-RIGHT	
			WEEK 95	659, 666, 673
C90728	T	105	EXCRETION	
			FEW FECES	596
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-CRANIAL	477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90728	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 680, 687, 694, 701, 708, 715, 722, 729-730
C90729	D	93	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645
C90730	M	69	APPEARANCE	
			HEAD TILT	
			RIGHT	477, 480
			HUNCHED	477, 480
			THIN	477, 480
			SKIN & PELAGE	
			ROUGH HAIR COAT	477, 480
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90731	3	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 94
C90732	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 24
C90733	D	96	APPEARANCE	
			LIMITED USE	
			PAW-HIND-RIGHT	414
			PAWS-HIND	526, 533, 540, 547, 554
			SWOLLEN	
			PAW-HIND-LEFT	393, 400
			PAW-HIND-RIGHT	414, 421, 428, 582, 589, 596, 603, 610, 617, 624, 631, 638
			PAWS-HIND	526, 533, 540, 547, 554
			SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-RIGHT	526, 533, 540, 547, 554
			YELLOW HAIR COAT	547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 645
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 407, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505 512, 519
			WART LIKE LESION(S)	
			EAR-LEFT	
			WEEK 93	645

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90733	D	96	WART LIKE LESION(S)	
			TAIL	
			WEEK 82	568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666
C90734	M	80	APPEARANCE	
			THIN	547, 554
			BEHAVIOR	
			HYPOACTIVE	554
			EXCRETION	
			NO FECES	547, 554
			EYES	
			RED DISCHARGE	
			EYE-RIGHT	421, 547, 554
			SKIN & PELAGE	
			COLD TO TOUCH	
			ENTIRE BODY	554
			SORE/SCAB	
			AXILLARY REGION-LEFT	491, 498, 505
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90734	M	80	MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 61	421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505 512, 519, 526C, 533C, 540C, 547C, 554C
C90735	T	105	APPEARANCE	
			SWOLLEN	
			PAW-HIND-LEFT	631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715 722, 729-730
			SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-LEFT	547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540
C90736	M	72	APPEARANCE	
			HUNCHED	502, 504
			BEHAVIOR	
			HYPOACTIVE	498, 502, 504
			RECUMBENT	
			LATERAL	504
			EXCRETION	
			FEW FECES	504

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90736	M	72	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491
C90737	2	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 54
C90738	D	99	EXCRETION	
			NONFORMED FECES	358
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659 666, 673, 680, 687, 689
C90739	M	102	APPEARANCE	
			HUNCHED	713-714
			THIN	713-714
			BEHAVIOR	
			HYPOACTIVE	713-714

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90739	M	102	EXCRETION	
			NO FECES	713-714
			EYES	
			RED DISCHARGE	
			EYES	714
			SQUINTED	
			PERI-ORBITAL	713-714
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708
C90740	M	66	BEHAVIOR	
			HYPOACTIVE	456
			EXCRETION	
			FEW FECES	456
			EYES	
			RED DISCHARGE	
			EYES	456
			SKIN & PELAGE	
			COLD TO TOUCH	
			ENTIRE BODY	456

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER	GROUP: M1 DOSE: 0 PPM DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90740	M	66	SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-LEFT	351, 414, 421, 428, 435, 442, 449, 456
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 358, 365, 372, 379, 386 393, 400, 407
C90741	M	100	APPEARANCE	
			THIN	680, 687-688, 691-692, 694, 696
			BEHAVIOR	
			HYPOACTIVE	696
			EXCRETION	
			FEW FECES	680, 687-688, 691-692, 694, 696
			NONFORMED FECES	575
			SKIN & PELAGE	
			SORE/SCAB	
			PAWS-HIND	680, 687-688, 691-692, 694, 696
			VENTRAL-ABDOMINAL	673
			YELLOW HAIR COAT	680, 687-688, 691-692, 694, 696
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90741	M	100	NORMAL	
			NO REMARKABLE OBSERVATIONS	386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470
			WART LIKE LESION(S)	
			VENTRAL-THORACIC-RIGHT	
			WEEK 69	477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687-688, 691-692, 694, 696
C90742	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729-730
C90743	T	105	APPEARANCE	
			LIMITED USE	
			LIMB-HIND-RIGHT	701
			SKIN & PELAGE	
			SORE/SCAB	
			DORSAL	491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 582, 589, 596, 603, 610, 617, 624

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90743	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 708, 715, 722 729, 731
			MASS(ES)	
			DORSAL	
			WEEK 49	337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414
			WART LIKE LESION(S)	
			DORSAL	
			WEEK 61	421, 428, 435, 442, 449, 456, 463, 470, 477, 484
C90744	M	87	APPEARANCE	
			HUNCHED	603-604
			THIN	603-604
			BEHAVIOR	
			HYPOACTIVE	603-604
			DISCHARGE	
			NASAL	
			RED IN COLOR	603-604
			EXCRETION	
			NO FECES	600, 603-604
			EYES	
			SQUINTED	
			PERI-ORBITAL	603-604

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90744	M	87	SKIN & PELAGE	
			RED HAIR COAT	
			LIMBS-FRONT	603-604
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596
C90745	M	77	APPEARANCE	
			HUNCHED	533
			MALOCCLUSION	92, 99, 106, 113, 120, 127, 141, 148, 155, 162, 169, 176, 183 190, 197, 204, 211, 218, 225, 232, 239, 246, 253, 260, 295, 302 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484 491, 498, 505, 512, 519-520, 526, 533
			THIN	526, 533
			OTHER	520C
			BEHAVIOR	
			SENSITIVE TO TOUCH	533
			EXCRETION	
			FEW FECES	526, 533
			SKIN & PELAGE	
			RED HAIR COAT	
			VENTRAL-ABDOMINAL	526, 533

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90745	M	77	SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-RIGHT	477, 484, 491, 498, 505, 512, 519-520, 526, 533
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 134, 267, 274 281, 288
C90746	3	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 94
C90747	T	105	APPEARANCE	
			HUNCHED	729-730
			THIN	547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 680 687, 694, 701, 708, 715, 722, 729-730
			EXCRETION	
			FEW FECES	547, 554, 561
			NONFORMED FECES	575
			EYES	
			RED DISCHARGE	
			EYE-RIGHT	729-730
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-CRANIAL	526, 533, 540, 547, 554, 561, 568
			SORE/SCAB	
			TAIL	477, 484
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90747	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 491, 498, 505, 512, 519, 631, 638, 645, 652, 659, 666
			MASS(ES)	
			INGUINAL REGION-RIGHT	
			WEEK 97	673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C, 729-730C
C90748	3	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 94
C90749	M	93	APPEARANCE	
			PROTRUDING PENIS	645-646
			THIN	645-647
			BEHAVIOR	
			HYPOACTIVE	647
			RECUMBENT	
			STERNAL	647
			EXCRETION	
			NO FECES	646-647
			EYES	
			PALE	
			EYES	647
			RED DISCHARGE	
			EYES	647

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90749	M	93	RESPIRATION	
			LABORED	647
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	647
			YELLOW HAIR COAT	645-647
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638
C90750	T	105	SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-RIGHT	575, 582, 589, 596, 603, 610, 617, 624, 631
			PAWS-HIND	638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715, 722 729, 731
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90750	T	105	WART LIKE LESION(S)	
			DORSAL	
			WEEK 105	729, 731
C90751	4	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 367
C90752	4	53	EYES	
			CLEAR DISCHARGE	
			EYES	22, 29
			RED DISCHARGE	
			EYES	15
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113, 120, 127 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309 316, 323, 330, 337, 344, 351, 358, 365, 367
C90753	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 24

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90754	4	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 367
C90755	D	100	EXCRETION	
			NONFORMED FECES	533
			SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-LEFT	526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 694-695
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519
			MASS(ES)	
			VENTRAL-CERVICAL	
			WEEK 80	554, 561, 568

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90756	2	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 54
C90757	M	70	APPEARANCE	
			SWOLLEN	
			DORSAL-CERVICAL	484
			LIMB-HIND-LEFT	488
			BEHAVIOR	
			RECUMBENT	
			LATERAL	488
			EXCRETION	
			FEW FECES	477, 484, 488
			RESPIRATION	
			AUDIBLE	488
			SKIN & PELAGE	
			RED HAIR COAT	
			VENTRAL-ABDOMINAL	488
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90758	T	105	APPEARANCE	
			LIMITED USE	
			LIMBS-HIND	547, 554, 561
			SWOLLEN	
			LIMBS-HIND	547, 554, 561
			PAW-HIND-LEFT	708, 715, 722, 729, 731
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 568, 575, 582 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673 680, 687, 694, 701
C90759	M	86	APPEARANCE	
			THIN	554, 561, 568, 575, 582, 589, 596-597
			EXCRETION	
			FEW FECES	547, 554, 561, 568, 575, 582, 589, 596-597
			SKIN & PELAGE	
			ROUGH HAIR COAT	554, 561, 568, 575, 582, 589, 596-597
			YELLOW HAIR COAT	561, 568, 575, 582, 589, 596-597
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90759	M	86	NORMAL	
			NO REMARKABLE OBSERVATIONS	386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540
C90760	D	85	APPEARANCE	
			SWOLLEN	
			VENTRAL-CERVICAL	568
			BEHAVIOR	
			SENSITIVE TO TOUCH	232, 239, 246, 309
			DISCHARGE	
			GENITAL	
			RED IN COLOR	309
			EXCRETION	
			DISCOLORED URINE	
			RED IN COLOR	232
			ORANGE IN COLOR	246
			EYES	
			CLEAR DISCHARGE	
			EYE-LEFT	533, 540, 547
			DISCOLORED/LIGHT RED	
			EYE-LEFT	554, 561, 568, 575, 582, 589, 593
			RED DISCHARGE	
			EYE-LEFT	281, 288, 295, 302, 337, 344, 351, 358, 365, 372, 379, 386, 393 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 554
			EYES	477, 484, 491, 498, 505, 512, 519

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90760	D	85	SKIN & PELAGE	
			SORE/SCAB	
			LIMBS-HIND	337, 344
			PAWS-HIND	351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435 442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512, 519, 526 533, 540, 547, 554, 561, 568, 575, 582, 589, 593
			YELLOW HAIR COAT	568, 575, 582, 589, 593
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 253, 260, 267, 274, 316, 323, 330
C90761	D	95	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 662
C90762	D	79	SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-RIGHT	512, 519, 526
			PAWS-HIND	533, 540, 547-548
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90762	D	79	NORMAL	
			NO REMARKABLE OBSERVATIONS	295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505
C90763	M	87	APPEARANCE	
			LIMITED USE	
			LIMBS-FRONT	603-604
			LIMBS-HIND	603-604
			BEHAVIOR	
			ATAXIC	603-604
			DISCHARGE	
			ORAL	
			RED IN COLOR	589
			EYES	
			RED DISCHARGE	
			EYE-LEFT	596, 603-604
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-MAXILLARY-LEFT	603-604
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90763	M	87	NORMAL	
			NO REMARKABLE OBSERVATIONS	568, 575, 582
C90764	D	84	EXCRETION	
			NONFORMED FECES	575
			SKIN & PELAGE	
			SORE/SCAB	
			LATERAL-ABDOMINAL-LEFT	491, 498, 505
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 512, 519, 526, 533, 540, 547, 554, 561, 568
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 84	582, 587
C90765	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666 673, 680, 687, 694, 701, 708, 715, 722, 729-730

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90765	T	105	MASS(ES)	
			HEAD-MAXILLARY-LEFT	
			WEEK 82	568, 575
C90766	M	63	BEHAVIOR	
			HYPOACTIVE	440
			DISCHARGE	
			ORAL	
			RED IN COLOR	440
			NASAL	
			RED IN COLOR	440
			EYES	
			RED DISCHARGE	
			EYES	440
			RESPIRATION	
			AUDIBLE	440
			IRREGULAR	440
			LABORED	440
			SKIN & PELAGE	
			COLD TO TOUCH	
			ENTIRE BODY	440
			ROUGH HAIR COAT	440
			SORE/SCAB	
			DORSAL-CERVICAL	22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 99, 106, 113, 120, 127, 134, 141, 148, 155, 162, 169 176, 183, 190, 197, 204, 211, 218, 225, 232, 239, 246, 253, 260

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90766	M	63	NORMAL	
			NO REMARKABLE OBSERVATIONS	267, 274, 281, 288, 295, 302, 309, 316, 323, 330, 337, 344, 351 358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435
C90767	4	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 367
C90768	3	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 94
C90769	2	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 54
C90770	M	92	APPEARANCE	
			HUNCHED	629
			THIN	631, 638, 640
			BEHAVIOR	
			HYPOACTIVE	638, 640
			EXCRETION	
			FEW FECES	629, 631
			NO FECES	638, 640
			RESPIRATION	
			LABORED	640

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90770	M	92	SKIN & PELAGE	
			RED HAIR COAT	
			VENTRAL-ABDOMINAL	603, 610, 617, 624
			YELLOW HAIR COAT	631, 638, 640
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596
C90771	M	94	BEHAVIOR	
			HYPOACTIVE	652-653, 655
			RECUMBENT	
			LATERAL	655
			DISCHARGE	
			NASAL	
			RED IN COLOR	652-653, 655
			EXCRETION	
			FEW FECES	653, 655
			EYES	
			RED DISCHARGE	
			EYES	652-653, 655

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90771	M	94	SKIN & PELAGE	
			SORE/SCAB	
			AXILLARY REGION-RIGHT	589, 596, 603, 610, 617, 624
			PAW-HIND-LEFT	603, 610, 617, 624, 631, 638, 645, 652-653, 655
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 84	582
C90772	M	62	APPEARANCE	
			LIMITED USE	
			LIMBS-HIND	422, 428
			EYES	
			RED DISCHARGE	
			EYES	428
			SKIN & PELAGE	
			YELLOW HAIR COAT	428
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90772	M	62	NORMAL	
			NO REMARKABLE OBSERVATIONS	204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421
C90773	D	65	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 455
C90774	M	72	APPEARANCE	
			MALOCCLUSION	15, 22, 183, 190, 197, 204, 211, 218, 225, 232, 239, 246, 253 260
			MISSING	
			TEETH	141, 148, 155, 162, 169
			THIN	491, 498, 500
			BEHAVIOR	
			HYPOACTIVE	500
			EXCRETION	
			FEW FECES	477, 484, 489, 491, 498, 500
			RESPIRATION	
			LABORED	500
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-MAXILLARY-LEFT	477, 484, 489, 491, 498, 500
			HEAD-MAXILLARY-RIGHT	477, 484, 489, 491, 498, 500

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90774	M	72	SKIN & PELAGE	
			YELLOW HAIR COAT	477, 484, 489, 491, 498, 500
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113, 120 127, 134, 176, 267, 274, 281, 288, 295, 302, 309, 316, 323, 330 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421 428, 435, 442, 449, 456, 463, 470
C90775	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 24
C90776	D	100	EXCRETION	
			NONFORMED FECES	211, 344
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295 302, 309, 316, 323, 330, 337, 351, 358, 365, 372, 379, 386, 393 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666 673, 680, 687, 694, 696

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90777	M	88	APPEARANCE	
			THIN	603, 609-611
			BEHAVIOR	
			HYPOACTIVE	603, 609-612
			EXCRETION	
			NO FECES	600, 603, 609-612
			EYES	
			PALE	
			EYES	603, 609-612
			SQUINTED	
			PERI-ORBITAL	603, 609-612
			HOUSING,FOOD,WATER & MAINT.	
			WATER BOTTLE PLACED ON CAGE	600
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	603, 609-612
			VENTRAL-THORACIC	603, 609-612
			SORE/SCAB	
			PAW-HIND-LEFT	540, 547, 554, 561, 568, 575, 582, 589, 596, 600, 603, 609-612
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90778	T	105	EYES	
			OPAQUE	
			EYES	729, 732
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561
			MASS(ES)	
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 82	568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C 645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C 722C, 729C, 732C
C90779	M	93	APPEARANCE	
			THIN	641, 645, 647
			BEHAVIOR	
			HYPOACTIVE	647
			EXCRETION	
			FEW FECES	641, 645
			NO FECES	647
			EYES	
			OPAQUE	
			EYE-RIGHT	526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610 617, 624, 631, 638, 641, 645, 647

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER	GROUP: M1 DOSE: 0 PPM DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90779	M	93	EYES	
			SQUINTED	
			PERI-ORBITAL	647
			SKIN & PELAGE	
			BROWN HAIR COAT	
			VENTRAL-ABDOMINAL	647
			RED HAIR COAT	
			HEAD-ENTIRE	647
			VENTRAL-ABDOMINAL	641, 645
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519
C90780	3	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 94

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C90713	M1	491	71	MASS(ES)	10 X 10MM
	TO	575	83	AXILLARY REGION-RIGHT	
				WEEK 71	
C90721	M1	295	43	MASS(ES)	30 X 30MM
				AXILLARY REGION-LEFT	
				WEEK 43	
		295	43	MASS(ES)	30 X 50MM
				VENTRAL-THORACIC	
				WEEK 42	
		302	44	MASS(ES)	30 X 30MM
	TO	305	44	VENTRAL-THORACIC	
				WEEK 42	
C90734	M1	526	76	MASS(ES)	15 X 15MM
				AXILLARY REGION-LEFT	
				WEEK 61	
		533	77	MASS(ES)	20X20 MM
	TO	554	80	AXILLARY REGION-LEFT	
				WEEK 61	
C90745	M1	520	75	APPEARANCE	EXCESSIVE BLEEDING FROM PAWHR, CAUTERIZED WITH SILVER NITRATE
				OTHER	
C90747	M1	673	97	MASS(ES)	25 X 50MM
	TO	680	98	INGUINAL REGION-RIGHT	
				WEEK 97	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C90747	M1	687	99	MASS(ES)	50 X 30MM
	TO	694	100	INGUINAL REGION-RIGHT	
				WEEK 97	
		701	101	MASS(ES)	60 X 45MM
				INGUINAL REGION-RIGHT	
				WEEK 97	
		708	102	MASS(ES)	70 X 45MM
	TO	722	104	INGUINAL REGION-RIGHT	
				WEEK 97	
		729	105	MASS(ES)	80 X 60MM
	TO	730	105	INGUINAL REGION-RIGHT	
				WEEK 97	
C90778	M1	568	82	MASS(ES)	25MM X 20MM
				VENTRAL-ABDOMINAL-RIGHT	
				WEEK 82	
		575	83	MASS(ES)	30MM X 25MM
	TO	638	92	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 82	
		645	93	MASS(ES)	40 X 40MM
	TO	652	94	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 82	
		659	95	MASS(ES)	55 X 50MM
				VENTRAL-ABDOMINAL-RIGHT	
				WEEK 82	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C90778	M1	666	96	MASS(ES)	60 X 55MM
	TO	694	100	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 82	
		701	101	MASS(ES)	80 X 75MM
	TO	722	104	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 82	
		729	105	MASS(ES)	90 X 80MM
	TO	732	105	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 82	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90781	T	105	SKIN & PELAGE	
			SORE/SCAB	
			TAIL	477, 484, 547, 554, 561, 568, 575, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 694
			VENTRAL-CERVICAL	15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 99, 106, 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 491, 498, 505, 512, 519, 526, 533, 540, 582, 589, 596, 701, 708, 715, 722, 729-730
			WART LIKE LESION(S)	
			VENTRAL-THORACIC-RIGHT	
			WEEK 87	603, 610, 617, 624
C90782	T	105	APPEARANCE	
			SWOLLEN	
			PAW-HIND-LEFT	666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 731
			SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-RIGHT	351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 731
			PAWS-HIND	526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90782	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 491, 498, 505, 512, 519
			MASS(ES)	
			DORSAL	
			WEEK 105	729, 731
C90783	T	105	SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-LEFT	526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701 708, 715, 722, 729, 731
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519
C90784	M	94	APPEARANCE	
			PARALYSIS	
			LIMBS-HIND	651
			THIN	645, 651-652
			BEHAVIOR	
			HYPOACTIVE	651-652
			RECUMBENT	
			LATERAL	652

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90784	M	94	BEHAVIOR	
			RECUMBENT	
			STERNAL	652
			EXCRETION	
			FEW FECES	652
			SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-RIGHT	526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610 617, 624, 631, 638, 645, 651-652
			VENTRAL-THORACIC	575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 651-652
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519
C90785	T	105	APPEARANCE	
			HUNCHED	728-729, 731
			THIN	728-729, 731
			EXCRETION	
			FEW FECES	728-729, 731
			SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-RIGHT	728-729, 731

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90785	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 89	617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C, 673C, 680C, 687C 694C, 701C, 708C, 715C, 722C, 728-729C, 731C
			WART LIKE LESION(S)	
			TAIL	
			WEEK 104	728-729, 731
C90786	D	93	EXCRETION	
			NONFORMED FECES	316
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645-646

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90787	T	105	APPEARANCE	
			SWOLLEN	
			PAW-HIND-LEFT	694, 701, 708, 715, 722, 729, 731
			SKIN & PELAGE	
			SORE/SCAB	
			SHOULDER-LEFT	92, 99, 106, 113, 120, 127
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 134, 141, 148 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232, 239 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323, 330 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421 428, 435, 442, 449, 456, 463, 470, 631, 638, 645, 652, 659, 666 673, 680, 687
			WART LIKE LESION(S)	
			VENTRAL-ABDOMINAL	
			WEEK 69	477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624
C90788	T	105	SKIN & PELAGE	
			SORE/SCAB	
			HEAD-CRANIAL	15
			LIMB-HIND-LEFT	701
			PAWS-HIND	526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 694
			SHOULDER-LEFT	15, 22
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113, 120 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90788	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484 491, 498, 505, 512, 519, 708, 715, 722, 729, 732
C90789	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 24
C90790	M	81	BEHAVIOR	
			HYPOACTIVE	561
			RECUMBENT	
			STERNAL	561
			EXCRETION	
			FEW FECES	561
			SKIN & PELAGE	
			BROWN HAIR COAT	
			VENTRAL-ABDOMINAL	561
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90791	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 732
C90792	M	57	APPEARANCE	
			THIN	393, 396
			BEHAVIOR	
			HYPOACTIVE	396
			EXCRETION	
			NO FECES	396
			EYES	
			SQUINTED	
			PERI-ORBITAL	393, 396
			RESPIRATION	
			IRREGULAR	396
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90793	D	78	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540
C90794	T	105	APPEARANCE	
			THIN	239, 246
			EXCRETION	
			FEW FECES	225, 232, 239
			EYES	
			RED DISCHARGE	
			EYE-RIGHT	239
			SKIN & PELAGE	
			BROWN HAIR COAT	
			PERINEAL AREA	225, 232, 239
			VENTRAL-ABDOMINAL	582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666 673, 680, 687, 694, 701, 708, 715, 722, 729, 731
			RED HAIR COAT	
			HEAD-ENTIRE	225, 232, 239
			LIMBS-ALL	239
			ROUGH HAIR COAT	225, 232, 239
			SORE/SCAB	
			PAW-HIND-RIGHT	477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 731

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90794	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407 414, 421, 428, 435, 442, 449, 456, 463, 470
			WART LIKE LESION(S)	
			PAW-HIND-RIGHT	
			WEEK 34	232, 239, 246
C90795	M	58	APPEARANCE	
			THIN	393, 400
			DISCHARGE	
			NASAL	
			RED IN COLOR	400
			EXCRETION	
			FEW FECES	379, 386, 393, 400
			EYES	
			RED DISCHARGE	
			EYES	400
			RESPIRATION	
			AUDIBLE	400
			SKIN & PELAGE	
			BROWN HAIR COAT	
			GENERALIZED	400
			ROUGH HAIR COAT	400

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90795	M	58	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372
C90796	D	59	APPEARANCE	
			MALOCCLUSION	99, 106, 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183 190, 197, 204, 211, 218, 225, 232, 239
			EXCRETION	
			FEW FECES	407, 412
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	344
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 246, 253 260, 267, 274, 281, 288, 295, 302, 309, 316, 386, 393, 400
			WART LIKE LESION(S)	
			EAR-LEFT	
			WEEK 47	323, 330, 337, 344, 351, 358, 365, 372, 379

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90797	3	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 94
C90798	M	101	APPEARANCE	
			MALOCCLUSION	29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113, 120, 127 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673 680, 687, 694, 701, 703
			EXCRETION	
			FEW FECES	703
			NONFORMED FECES	533, 540
			RESPIRATION	
			AUDIBLE	701, 703
			LABORED	701, 703
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22
C90799	T	105	EXCRETION	
			NONFORMED FECES	708, 715, 722, 729-730
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90799	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 631, 638, 645, 652, 659, 666, 673, 680 687, 694, 701
			WART LIKE LESION(S)	
			MOUTH	
			WEEK 87	603, 610, 617, 624
C90800	D	83	EXCRETION	
			NONFORMED FECES	575, 578
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568
C90801	D	98	APPEARANCE	
			SWOLLEN	
			LIMB-HIND-RIGHT	323, 330, 337
			PAWS-HIND	509, 512, 519, 526, 533, 540, 547, 554
			EXCRETION	
			NONFORMED FECES	211

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER	GROUP: M2 DOSE: 3 PPM DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90801	D	98	SKIN & PELAGE	
			SORE/SCAB	
			LIMB-HIND-RIGHT	323
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295 302, 309, 316, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498 505, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638 645, 652, 659, 666, 673
			MASS(ES)	
			LIMB-HIND-RIGHT	
			WEEK 98	680C, 685C
			WART LIKE LESION(S)	
			HEAD-MAXILLARY-LEFT	
			WEEK 76	526, 533, 540
C90802	M	81	APPEARANCE	
			SWOLLEN	
			PAW-HIND-LEFT	540
			THIN	554, 561-562
			BEHAVIOR	
			RECUMBENT	
			LATERAL	562
			EXCRETION	
			FEW FECES	554, 561-562

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90802	M	81	RESPIRATION	
			LABORED	562
			SKIN & PELAGE	
			COLD TO TOUCH	
			ENTIRE BODY	562
			RED HAIR COAT	
			HEAD-ENTIRE	554, 561-562
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 547
C90803	D	93	EYES	
			OPAQUE	
			EYES	617, 624, 631, 638, 645, 651
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER	GROUP: M2 DOSE: 3 PPM DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90803	D	93	WART LIKE LESION(S)	
			TAIL	
			WEEK 93	645, 651
C90804	T	105	APPEARANCE	
			HUNCHED	729, 731
			THIN	729, 731
			EXCRETION	
			FEW FECES	728-729, 731
			EYES	
			OPAQUE	
			EYES	728-729, 731
			SKIN & PELAGE	
			SORE/SCAB	
			DORSAL	701, 708, 715, 722, 728-729, 731
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90805	M	61	APPEARANCE	
			HUNCHED	421, 423
			THIN	421, 423
			BEHAVIOR	
			HYPOACTIVE	423
			DISCHARGE	
			GENITAL	
			RED IN COLOR	386, 393
			EXCRETION	
			FEW FECES	400, 407, 414, 421, 423
			NONFORMED FECES	211, 379, 386
			EYES	
			SQUINTED	
			PERI-ORBITAL	393, 400, 407, 414, 421, 423
			SKIN & PELAGE	
			BROWN HAIR COAT	
			SCROTUM	421, 423
			RED HAIR COAT	
			HEAD-ENTIRE	407, 414
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90806	M	35	APPEARANCE	
			THIN	239
			SKIN & PELAGE	
			PALE	
			ENTIRE BODY	239
			SORE/SCAB	
			VENTRAL-ABDOMINAL-LEFT	232, 239
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134
			MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 21	141, 148, 155, 162, 169, 176, 183C, 190C, 197C, 204C, 211C, 218C 225C, 232C, 239C
C90807	3	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 94
C90808	M	71	APPEARANCE	
			HUNCHED	477, 484, 491
			THIN	463, 470, 477, 484, 491
			BEHAVIOR	
			HYPOACTIVE	477, 484, 491
			RECUMBENT	
			LATERAL	491
			EXCRETION	
			FEW FECES	477, 484

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90808	M	71	EXCRETION	
			NO FECES	491
			RESPIRATION	
			IRREGULAR	477, 484
			LABORED	491
			SKIN & PELAGE	
			ROUGH HAIR COAT	477, 484, 491
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456
C90809	T	105	APPEARANCE	
			SWOLLEN	
			PAW-HIND-LEFT	729, 732
			SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-LEFT	477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90809	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470
C90810	T	105	SKIN & PELAGE	
			RED HAIR COAT	
			VENTRAL-ABDOMINAL	533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617
				624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701
			SORE/SCAB	
			LIMB-HIND-LEFT	568, 575, 582, 589
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106
				113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197
				204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288
				295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379
				386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470
				477, 484, 491, 498, 505, 512, 519, 526, 708, 715, 722, 729, 731
C90811	T	105	DISCHARGE	
			GENITAL	
			RED IN COLOR	323
			EXCRETION	
			FEW FECES	323, 330, 337
			RESPIRATION	
			AUDIBLE	323
			LABORED	323
			SKIN & PELAGE	
			SORE/SCAB	
			DORSAL	680, 687, 694, 701, 708, 715, 722

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90811	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 344, 351, 358, 365, 372, 379, 386, 393, 400 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666 729-730
			WART LIKE LESION(S)	
			DORSAL	
			WEEK 97	673
C90812	T	105	APPEARANCE	
			HUNCHED	729-730
			THIN	680, 687, 694, 701, 708, 715, 718, 722, 729-730
			DISCHARGE	
			NASAL	
			RED IN COLOR	729-730
			SKIN & PELAGE	
			BROWN HAIR COAT	
			PERINEAL AREA	701, 708, 715, 718, 722, 729-730
			YELLOW HAIR COAT	687, 694, 701, 708, 715, 718, 722, 729-730
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90812	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 582, 589, 596 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673
			WART LIKE LESION(S)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 79	547, 554, 561, 568, 575
C90813	M	8	APPEARANCE	
			THIN	52
			DISCHARGE	
			ORAL	
			RED IN COLOR	50, 52
			EXCRETION	
			FEW FECES	52
			EYES	
			RED DISCHARGE	
			EYES	50, 52
			RESPIRATION	
			IRREGULAR	52
			SKIN & PELAGE	
			RED HAIR COAT	
			VENTRAL-ABDOMINAL	50, 52
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90814	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 24
C90815	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519
			WART LIKE LESION(S)	
			DORSAL	
			WEEK 76	526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701C 708C, 715C, 722C, 729-730C
C90816	M	86	APPEARANCE	
			THIN	582, 589, 596, 598
			BEHAVIOR	
			HYPOACTIVE	598
			SENSITIVE TO TOUCH	598
			EXCRETION	
			FEW FECES	598
			SKIN & PELAGE	
			ROUGH HAIR COAT	589, 596, 598
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90816	M	86	NORMAL	
			NO REMARKABLE OBSERVATIONS	113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575
C90817	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 24
C90818	3	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 94
C90819	D	92	EXCRETION	
			NONFORMED FECES	491
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 641

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90820	M	70	APPEARANCE	
			HUNCHED	485
			BEHAVIOR	
			HYPOACTIVE	485
			SENSITIVE TO TOUCH	485
			EXCRETION	
			FEW FECES	485
			EYES	
			RED DISCHARGE	
			EYES	485
			RESPIRATION	
			LABORED	485
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90821	D	100	EYES	
			DISCOLORED/LIGHT RED	
			EYE-LEFT	477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547
			OPAQUE	
			EYE-LEFT	554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638 645, 652, 659, 666, 673, 680, 687, 694-695
			SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-RIGHT	680, 687, 694-695
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470
C90822	M	77	APPEARANCE	
			THIN	526, 533
			EXCRETION	
			NO FECES	526, 533
			SKIN & PELAGE	
			SORE/SCAB	
			TAIL-PROXIMAL	533
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90822	M	77	NORMAL	
			NO REMARKABLE OBSERVATIONS	295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519
			MASS(ES)	
			DORSAL	
			WEEK 76	526C, 533C
C90823	T	105	APPEARANCE	
			MALOCCLUSION	680, 687, 694, 701, 708, 715, 722, 729-730
			EXCRETION	
			NONFORMED FECES	155, 344
			SKIN & PELAGE	
			SORE/SCAB	
			LIMB-HIND-LEFT	631, 638, 645, 652, 659, 666
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 162, 169, 176, 183, 190, 197, 204 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295 302, 309, 316, 323, 330, 337, 351, 358, 365, 372, 379, 386, 393 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575 582, 589, 596, 603, 610, 617, 624, 673

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90824	M	81	EXCRETION	
			NO FECES	561
			SKIN & PELAGE	
			YELLOW HAIR COAT	561
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554
C90825	D	98	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 685
C90826	D	92	EXCRETION	
			NONFORMED FECES	491, 575
			SKIN & PELAGE	
			SORE/SCAB	
			TAIL	281, 288, 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456 463, 470, 477, 484

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90826	D	92	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 498, 505 512, 519, 526, 533, 540, 547, 554, 561, 568, 582, 589, 596, 603 610, 617, 624, 631, 638, 642
C90827	M	68	BEHAVIOR	
			HYPOACTIVE	471
			SENSITIVE TO TOUCH	471
			DISCHARGE	
			ORAL	
			CLEAR	471
			RESPIRATION	
			LABORED	471
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90828	D	80	EYES	
			DILATED PUPIL	
			EYES	547, 554, 560
			SKIN & PELAGE	
			SORE/SCAB	
			DORSAL	491, 498, 505, 512, 519, 526, 533, 540
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316
			WART LIKE LESION(S)	
			DORSAL	
			WEEK 47	323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484
C90829	T	105	APPEARANCE	
			OBESE	701, 708, 715, 722, 729
			EXCRETION	
			NONFORMED FECES	344
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-CRANIAL	526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610 617, 624
			SORE/SCAB	
			AXILLARY REGION-RIGHT	631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715 722, 729, 731

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90829	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505, 512, 519
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 91	631C, 638C, 645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C 708C, 715C, 722C, 729C, 731C
			WART LIKE LESION(S)	
			VENTRAL-THORACIC-RIGHT	
			WEEK 84	582, 589, 596, 603, 610, 617, 624
C90830	T	105	APPEARANCE	
			PROTRUDING PENIS	680, 687, 694
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 701, 708, 715, 722, 729, 731

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90831	3	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 94
C90832	T	105	APPEARANCE	
			MALOCCLUSION	225, 232, 239, 246, 295, 323, 330, 337, 344, 351, 358, 365, 372 379, 386, 393, 400, 407, 414, 498, 505, 512, 519, 526, 533, 540 547, 554, 561, 568, 575, 582, 589, 596, 603, 609-610, 617, 624 631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715 722, 729, 731
			MISSING	
			TEETH	680, 687, 694, 701, 708, 715, 722, 729, 731
			SWOLLEN	
			NOSE	498, 505, 512, 519, 526, 533, 540, 547, 554, 561
			DISCHARGE	
			NASAL	
			RED IN COLOR	505
			EXCRETION	
			FEW FECES	505
			EYES	
			PALE	
			EYES	505
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 253, 260, 267, 274, 281, 288, 302, 309, 316, 421 428, 435, 442, 449, 456, 463, 470, 477, 484, 491

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90833	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 24
C90834	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 24
C90835	T	105	APPEARANCE	
			MALOCCLUSION	456, 463, 470, 477, 484, 491, 498, 505, 512, 519, 526, 533, 540 547, 554, 561, 568, 575, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 732
			SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL	547
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 582
			MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 77	533C, 540C
			WART LIKE LESION(S)	
			VENTRAL-ABDOMINAL	
			WEEK 85	589, 596, 603, 610, 617, 624

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90836	3	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 94
C90837	M	74	APPEARANCE	
			THIN	442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512
			BEHAVIOR	
			SENSITIVE TO TOUCH	512
			EYES	
			RED DISCHARGE	
			EYE-RIGHT	512
			SKIN & PELAGE	
			SORE/SCAB	
			HEAD-MAXILLARY-RIGHT	379, 512
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 176, 183, 190, 197, 204, 211, 218, 225, 232, 239, 246 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323, 330, 337 344, 386, 393, 400, 407, 414
			MASS(ES)	
			HEAD-MAXILLARY-RIGHT	
			WEEK 51	351, 358, 365, 372, 379
			WEEK 61	421C, 428C, 435C, 442C, 449C, 456C, 463C, 470C, 477C, 484C, 491C 498C, 505C, 512C
			WART LIKE LESION(S)	
			TAIL	
			WEEK 19	127, 134, 141, 148, 155, 162, 169

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90838	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 155, 162, 169, 176, 183, 190, 197, 204 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568 575, 582, 589, 596, 603, 610, 617, 624
			WART LIKE LESION(S)	
			MOUTH	
			WEEK 91	631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715 722, 729, 731
			TAIL	
			WEEK 22	148
C90839	D	99	APPEARANCE	
			SWOLLEN	
			LIMB-HIND-LEFT	546-547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624 631, 638, 645, 652, 659, 666, 673, 680, 687, 693
			SKIN & PELAGE	
			BROWN HAIR COAT	
			VENTRAL-ABDOMINAL	680, 687, 693
			BLUE SKIN	
			PAW-HIND-LEFT	547, 554
			SORE/SCAB	
			VENTRAL-CERVICAL	680, 687, 693
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90839	D	99	NORMAL	
			NO REMARKABLE OBSERVATIONS	204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540
C90840	T	105	APPEARANCE	
			SWOLLEN	
			PAWS-HIND	533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617 624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701
			SKIN & PELAGE	
			BROWN HAIR COAT	
			PERINEAL AREA	680, 687, 694, 701, 708, 715, 722, 729-730
			SORE/SCAB	
			LATERAL-ABDOMINAL-RIGHT	344, 351, 358, 365, 372
			PAW-HIND-LEFT	330, 337, 344, 351, 358
			PAW-HIND-RIGHT	274, 281, 288
			PAWS-HIND	295, 302, 309, 316, 323, 365, 372, 379, 386, 393, 400, 407, 414 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687 694, 701, 708, 715, 722, 729-730
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267
			MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 51	351C, 358C, 365C, 372C, 379C

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C90785	M2	617	89	MASS(ES)	10 X 10MM
	TO	624	90	AXILLARY REGION-LEFT	
				WEEK 89	
		631	91	MASS(ES)	20 X 20MM
	TO	638	92	AXILLARY REGION-LEFT	
				WEEK 89	
		645	93	MASS(ES)	35 X 35MM
	TO	652	94	AXILLARY REGION-LEFT	
				WEEK 89	
		659	95	MASS(ES)	40 X 40MM
	TO	694	100	AXILLARY REGION-LEFT	
				WEEK 89	
		701	101	MASS(ES)	50 X 50MM
				AXILLARY REGION-LEFT	
				WEEK 89	
		708	102	MASS(ES)	55 X 65MM
	TO	731	105	AXILLARY REGION-LEFT	
				WEEK 89	
C90801	M2	680	98	MASS(ES)	40 X 40MM
	TO	685	98	LIMB-HIND-RIGHT	
				WEEK 98	
C90806	M2	183	27	MASS(ES)	10 X 10MM
	TO	190	28	VENTRAL-ABDOMINAL-LEFT	
				WEEK 21	

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C90806	M2	197	29	MASS(ES)	30 X 15MM
	TO	204	30	VENTRAL-ABDOMINAL-LEFT	
				WEEK 21	
		211	31	MASS(ES)	70 X 50MM
				VENTRAL-ABDOMINAL-LEFT	
				WEEK 21	
		218	32	MASS(ES)	80 X 65MM
				VENTRAL-ABDOMINAL-LEFT	
				WEEK 21	
		225	33	MASS(ES)	85 X 70MM
	TO	232	34	VENTRAL-ABDOMINAL-LEFT	
				WEEK 21	
		239	35	MASS(ES)	95 X 100MM
	TO	239	35	VENTRAL-ABDOMINAL-LEFT	
				WEEK 21	
		239	35	MASS(ES)	95 X 100MM
				VENTRAL-ABDOMINAL-LEFT	
				WEEK 21	
C90815	M2	701	101	WART LIKE LESION(S)	15 X 15MM
	TO	730	105	DORSAL	
				WEEK 76	
C90822	M2	526	76	MASS(ES)	10 X 10MM
	TO	533	77	DORSAL	
				WEEK 76	

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C90829	M2	631	91	MASS(ES)	20 X 20MM
	TO	645	93	AXILLARY REGION-RIGHT	
				WEEK 91	
		652	94	MASS(ES)	25 X 25MM
	TO	659	95	AXILLARY REGION-RIGHT	
				WEEK 91	
		666	96	MASS(ES)	30 X 25MM
				AXILLARY REGION-RIGHT	
				WEEK 91	
		673	97	MASS(ES)	35 X 30MM
				AXILLARY REGION-RIGHT	
				WEEK 91	
		680	98	MASS(ES)	15 X 15MM
	TO	701	101	AXILLARY REGION-RIGHT	
				WEEK 91	
		708	102	MASS(ES)	20 X 15MM
	TO	731	105	AXILLARY REGION-RIGHT	
				WEEK 91	
C90835	M2	533	77	MASS(ES)	10 X 10MM
	TO	540	78	VENTRAL-ABDOMINAL	
				WEEK 77	
C90837	M2	421	61	MASS(ES)	20 X 20MM
	TO	505	73	HEAD-MAXILLARY-RIGHT	
				WEEK 61	

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C90837	M2	512	74	MASS(ES)	20 X 25MM
	TO	512	74	HEAD-MAXILLARY-RIGHT	
				WEEK 61	
		512	74	MASS(ES)	20 X 20MM
				HEAD-MAXILLARY-RIGHT	
				WEEK 61	
C90840	M2	351	51	MASS(ES)	10 X 10MM
	TO	379	55	VENTRAL-ABDOMINAL-LEFT	
				WEEK 51	

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90841	M	97	APPEARANCE	
			HUNCHED	677
			THIN	677
			EXCRETION	
			FEW FECES	673, 677
			EYES	
			DISCOLORED/LIGHT RED	
			EYES	677
			RESPIRATION	
			LABORED	677
			SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-LEFT	659, 666, 673, 677
			PAW-HIND-RIGHT	309, 316, 323, 330, 337, 344, 351
			PAWS-HIND	477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652
			VENTRAL-ABDOMINAL	582, 589, 596, 603, 610
			YELLOW HAIR COAT	673, 677
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428 435, 442, 449, 456, 463, 470

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90841	M	97	MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 83	575C
C90842	T	105	EXCRETION	
			FEW FECES	680, 687, 694
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 701, 708, 715, 722, 729, 731
C90843	3	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 94
C90844	T	105	APPEARANCE	
			MALOCCLUSION	708
			SWOLLEN	
			PAW-HIND-RIGHT	725, 729, 731
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-CRANIAL	526
			SCALY SKIN	
			TAIL	526
			SORE/SCAB	
			TAIL	568, 575

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90844	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 155, 162, 169, 176, 183, 190, 197, 204 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505, 512, 519, 533, 540, 547, 554, 561, 582, 589 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680 687, 694, 701, 715, 722
			WART LIKE LESION(S)	
			TAIL	
			WEEK 22	148
C90845	M	79	APPEARANCE	
			THIN	547
			EXCRETION	
			NO FECES	547
			SKIN & PELAGE	
			BROWN HAIR COAT	
			GENERALIZED	547
			BROWN SKIN	
			PAWS-ALL	547
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90845	M	79	NORMAL	
			NO REMARKABLE OBSERVATIONS	477, 484, 491, 498, 505, 512, 519, 526, 533, 540
C90846	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 24
C90847	M	99	APPEARANCE	
			THIN	680, 687
			BEHAVIOR	
			HYPOACTIVE	687
			EXCRETION	
			NO FECES	673, 680, 687
			EYES	
			RED DISCHARGE	
			EYES	687
			SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-LEFT	526, 533, 540, 547, 554, 561, 568
			PAWS-HIND	575, 582, 589, 596, 603, 608, 610, 617, 624, 631, 638, 645, 652 659, 666, 673
			YELLOW HAIR COAT	687
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90847	M	99	NORMAL	
			NO REMARKABLE OBSERVATIONS	477, 484, 491, 498, 505, 512, 519
C90848	M	76	APPEARANCE	
			MALOCCLUSION	526
			DISCHARGE	
			NASAL	
			RED IN COLOR	526
			EYES	
			RED DISCHARGE	
			EYES	526
			RESPIRATION	
			AUDIBLE	526
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90849	M	78	APPEARANCE	
			THIN	520, 526, 533, 540
			BEHAVIOR	
			SENSITIVE TO TOUCH	512, 519-520, 526, 533, 540
			EXCRETION	
			NONFORMED FECES	520, 526, 533, 540
			SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-RIGHT	491, 498, 505, 512, 519-520, 526, 533, 540
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484
C90850	T	105	APPEARANCE	
			MALOCCLUSION	638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715, 722 729, 731
			SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-RIGHT	680, 687, 694, 701, 708, 715, 722, 729, 731
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90850	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631
C90851	T	105	SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-RIGHT	547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624
			PAWS-HIND	631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715 722, 729-730
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540
C90852	3	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 94
C90853	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 24

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90854	T	105	EXCRETION	
			FEW FECES	729, 731
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722
C90855	T	105	APPEARANCE	
			PROTRUDING PENIS	680
			EXCRETION	
			NONFORMED FECES	281, 708, 715
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 288, 295 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659 666, 673, 687, 694, 701, 722
			WART LIKE LESION(S)	
			DORSAL-CERVICAL-LEFT	
			WEEK 105	729, 732

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90856	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729-730
C90857	M	103	APPEARANCE	
			HUNCHED	718-719
			THIN	680, 687, 694, 701, 708, 715, 718-719
			BEHAVIOR	
			HYPOACTIVE	719
			EXCRETION	
			FEW FECES	715, 718-719
			SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-LEFT	715, 718-719
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90857	M	103	NORMAL	
			NO REMARKABLE OBSERVATIONS	659, 666, 673
C90858	T	105	DISCHARGE	
			NASAL	
			RED IN COLOR	589, 596
			SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-LEFT	526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610
			PAW-HIND-RIGHT	617, 624, 631, 638, 645, 652, 659, 666, 673
			PAWS-HIND	680, 687, 694, 701, 708, 715, 722
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 729-730
C90859	M	69	APPEARANCE	
			THIN	463, 470, 477, 479
			BEHAVIOR	
			HYPOACTIVE	479
			RESPIRATION	
			AUDIBLE	479
			SKIN & PELAGE	
			YELLOW HAIR COAT	463, 470, 477, 479

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90859	M	69	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456
C90860	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729-730
C90861	M	71	BEHAVIOR	
			HYPOACTIVE	495
			RECUMBENT	
			STERNAL	495
			SENSITIVE TO TOUCH	495
			EXCRETION	
			FEW FECES	477, 484, 491
			NO FECES	495
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-CRANIAL	477, 484
			VENTRAL-ABDOMINAL	495
			ROUGH HAIR COAT	477, 484, 491, 495

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90861	M	71	SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL	281, 288, 295
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 302, 309 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400 407, 414, 421, 428, 435, 442, 449, 456, 463, 470
C90862	M	69	APPEARANCE	
			HUNCHED	477
			THIN	477
			BEHAVIOR	
			ATAXIC	477
			EYES	
			SQUINTED	
			PERI-ORBITAL	477
			RESPIRATION	
			IRREGULAR	477
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90863	3	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 94
C90864	T	105	SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	680, 687, 694, 701, 708, 715, 722, 729, 731
			SORE/SCAB	
			SHOULDER-LEFT	365, 372, 379
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 267, 386, 393, 400, 407, 414 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673
			MASS(ES)	
			DORSAL	
			WEEK 98	680, 687, 694, 701, 708, 715, 722, 729, 731
			SHOULDER-LEFT	
			WEEK 40	274, 281, 288, 295, 302, 309, 316, 323, 330, 337, 344, 351, 358
			WART LIKE LESION(S)	
			SHOULDER-LEFT	
			WEEK 37	253, 260

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90865	T	105	SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-RIGHT	715, 722, 729, 732
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708
C90866	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 24
C90867	T	105	EXCRETION	
			FEW FECES	645, 652, 659
			EYES	
			RED DISCHARGE	
			EYE-LEFT	680, 687, 694, 701, 708, 715, 722, 729, 731
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER	GROUP: M3 DOSE: 30 PPM DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90867	T	105	MASS(ES)	
			DORSAL	
			WEEK 64	442, 449, 456, 463, 470, 477, 484, 491C, 498C, 505C, 512C, 519C 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C, 596C 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C, 673C 680C, 687C, 694C, 701C, 708C, 715C, 722C, 729C, 731C
C90868	M	73	APPEARANCE	
			HUNCHED	508
			BEHAVIOR	
			RECUMBENT	
			LATERAL	508
			EXCRETION	
			NO FECES	508
			RESPIRATION	
			IRREGULAR	508
			SKIN & PELAGE	
			RED HAIR COAT	
			VENTRAL-ABDOMINAL-LEFT	508
			SORE/SCAB	
			HEAD-MAXILLARY-RIGHT	365, 372
			LIMB-HIND-LEFT	323, 330, 337, 344
			PAW-HIND-LEFT	351, 358, 365, 372, 379
			PAW-HIND-RIGHT	477, 484, 491, 498, 505
			PAWS-HIND	508
			YELLOW HAIR COAT	508

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90868	M	73	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 386, 393, 400, 407, 414, 421, 428, 435, 442 449, 456, 463, 470
C90869	T	105	APPEARANCE	
			SWOLLEN	
			PAWS-HIND	540, 547, 554, 561
			SKIN & PELAGE	
			SORE/SCAB	
			SCROTUM	694, 701, 708, 715, 722, 729-730
			SCROTUM-RIGHT	568, 575
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 582, 589, 596, 603 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687
			MASS(ES)	
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 81	561, 568, 575

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90870	M	80	APPEARANCE	
			THIN	547, 554
			BEHAVIOR	
			HYPOACTIVE	554
			EXCRETION	
			FEW FECES	547, 554
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	526, 533, 540, 547, 554
			YELLOW HAIR COAT	547, 554
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519
C90871	T	105	EXCRETION	
			NONFORMED FECES	162, 169, 176, 183, 211, 218
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 190, 197, 204, 225, 232, 239 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323, 330 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90871	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 694 701, 708, 715, 722, 729-730
C90872	D	91	EXCRETION	
			FEW FECES	631, 637
			NONFORMED FECES	155
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 162, 169, 176, 183, 190, 197, 204 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568 575, 582, 589, 596, 603, 610, 617, 624
C90873	M	73	APPEARANCE	
			HEAD TILT	
			RIGHT	507-508
			BEHAVIOR	
			ATAXIC	507-508
			SKIN & PELAGE	
			RED HAIR COAT	
			VENTRAL-ABDOMINAL	507-508
			VENTRAL-THORACIC	507-508
			SORE/SCAB	
			PAW-HIND-LEFT	470, 477, 484, 491, 498, 505, 507-508

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90873	M	73	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463
C90874	M	67	APPEARANCE	
			THIN	463
			EXCRETION	
			FEW FECES	393, 400, 407, 437, 442, 449, 456, 463
			NONFORMED FECES	337
			EYES	
			RED DISCHARGE	
			EYES	393, 463
			RESPIRATION	
			AUDIBLE	393, 437, 463
			LABORED	393, 463
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 344, 351, 358, 365, 372, 379, 386 414, 421, 428, 435

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90875	D	91	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 218, 225, 232, 239, 246, 253, 260, 267 274, 281, 288, 295, 302, 309, 316, 323, 330, 337, 344, 351, 358 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442, 449 456, 463, 470, 477, 484, 491, 498, 505, 512, 519, 526, 533, 540 547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624 631-632
			WART LIKE LESION(S)	
			TAIL	
			WEEK 22	148, 155, 162, 169, 176, 183, 190, 197, 204, 211
C90876	A	56	APPEARANCE	
			MALOCCLUSION	92, 99, 106, 113, 120, 127, 134, 141, 148, 155, 162, 169, 176 183, 190, 197, 204, 211, 218, 225, 232, 239, 246, 253, 260, 274 281, 288, 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365 372, 379, 386
			PARALYSIS	
			LIMBS-HIND	386
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 267
C90877	3	14	APPEARANCE	
			MALOCCLUSION	64, 71, 78, 85, 92, 94
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90878	D	53	SKIN & PELAGE	
			SORE/SCAB	
			DORSAL-CERVICAL-RIGHT	260, 267, 274, 281, 288, 295, 302, 309, 316, 323, 330, 337
			EAR-RIGHT	218, 225
			VENTRAL-CERVICAL-LEFT	15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113 120, 127, 134
			VENTRAL-CERVICAL-RIGHT	141, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 232, 239, 246, 253, 344, 351, 358, 365, 369
C90879	M	81	APPEARANCE	
			HUNCHED	561
			THIN	547, 554, 561
			EXCRETION	
			FEW FECES	554, 561
			NO FECES	545-547
			SKIN & PELAGE	
			BROWN HAIR COAT	
			PERINEAL AREA	547
			YELLOW HAIR COAT	545-547
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90880	3	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 94
C90881	T	105	DISCHARGE	
			NASAL	
			RED IN COLOR	680
			EXCRETION	
			NONFORMED FECES	533, 582
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 540, 547, 554, 561, 568 575, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666 673, 687, 694, 701, 708, 715, 722, 729, 731
C90882	T	105	DISCHARGE	
			GENITAL	
			RED IN COLOR	253, 708
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 260, 267, 274, 281, 288, 295 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90882	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	666, 673, 680, 687, 694, 701, 715, 722, 729, 731
C90883	T	105	APPEARANCE	
			MALOCCLUSION	225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673 680, 687, 694, 701, 708, 715, 722, 729, 732
			SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-LEFT	477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 732
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218
C90884	T	105	EYES	
			RED DISCHARGE	
			EYE-LEFT	309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393 400
			SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-LEFT	547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631 638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715, 722 729, 731

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90884	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505, 512, 519, 526, 533, 540
C90885	T	105	SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-LEFT	547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631 638, 645, 649, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715 722, 729, 731
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540
C90886	M	91	APPEARANCE	
			MALOCCLUSION	456, 463, 470, 477, 484, 491, 498, 505, 512, 519, 526, 533, 540 547, 554
			THIN	589, 596, 603, 610, 617, 624, 630-631
			EXCRETION	
			FEW FECES	630-631
			EYES	
			SQUINTED	
			PERI-ORBITAL	630-631

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90886	M	91	SKIN & PELAGE	
			PALE	
			ENTIRE BODY	630-631
			SORE/SCAB	
			PAW-HIND-RIGHT	603, 610, 617, 624, 630-631
			TAIL	547, 554
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 561, 568, 575 582
			WART LIKE LESION(S)	
			PAW-HIND-LEFT	
			WEEK 89	617, 624, 630-631
C90887	M	69	APPEARANCE	
			HUNCHED	477
			BEHAVIOR	
			HYPOACTIVE	477
			EXCRETION	
			NO FECES	477
			EYES	
			SQUINTED	
			PERI-ORBITAL	477

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90887	M	69	SKIN & PELAGE	
			BROWN HAIR COAT	
			VENTRAL-ABDOMINAL	470
			RED HAIR COAT	
			HEAD-ENTIRE	477
			VENTRAL-ABDOMINAL	477
			VENTRAL-CERVICAL	477
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463
C90888	M	81	APPEARANCE	
			MALOCCLUSION	43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113, 120, 127, 134, 141 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505 512, 519, 526, 533, 540, 547, 554, 558, 561
			THIN	558, 561
			EXCRETION	
			FEW FECES	547, 554, 558
			NO FECES	561
			SKIN & PELAGE	
			RED HAIR COAT	
			PERINEAL AREA	561

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90888	M	81	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36
			WART LIKE LESION(S)	
			DORSAL	
			WEEK 79	547, 554, 558, 561
C90889	T	105	EXCRETION	
			NONFORMED FECES	218, 582, 701
			SKIN & PELAGE	
			SORE/SCAB	
			LATERAL-ABDOMINAL-LEFT	701, 708
			LIMB-HIND-LEFT	701, 708
			PAW-FRONT-RIGHT	547
			PAW-HIND-LEFT	554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715, 722 729-730
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505, 512, 519
			MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 76	526, 533, 540, 547, 554, 561, 568, 575C

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90890	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 24
C90891	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 24
C90892	M	77	APPEARANCE	
			THIN	526, 532-533
			BEHAVIOR	
			HYPOACTIVE	532-533
			EXCRETION	
			FEW FECES	526
			NO FECES	532-533
			EYES	
			RED DISCHARGE	
			EYES	526, 532-533
			SQUINTED	
			PERI-ORBITAL-RIGHT	526, 532-533
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	526, 532-533
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90892	M	77	NORMAL	
			NO REMARKABLE OBSERVATIONS	477, 484, 491, 498, 505, 512, 519
C90893	T	105	EXCRETION	
			NONFORMED FECES	715, 722
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 729, 731
C90894	M	98	BEHAVIOR	
			HYPOACTIVE	684
			RECUMBENT	
			STERNAL	684
			RESPIRATION	
			LABORED	684
			SKIN & PELAGE	
			BROWN HAIR COAT	
			PERINEAL AREA	680, 684
			RED HAIR COAT	
			HEAD-ENTIRE	568, 575, 582, 680, 684
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90894	M	98	NORMAL	
			NO REMARKABLE OBSERVATIONS	113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673
C90895	D	94	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 657
C90896	M	72	APPEARANCE	
			HUNCHED	477, 484, 491, 498
			MALOCCLUSION	57, 64, 71, 78, 85, 92, 99, 106, 113, 120, 127, 134, 141, 148 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232, 239 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323, 330 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498
			MISSING	
			TEETH	190, 197, 204, 211, 218, 225, 232, 239, 246
			THIN	477, 484, 491, 498
			BEHAVIOR	
			HYPOACTIVE	477, 484, 491, 498

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90896	M	72	EXCRETION	
			FEW FECES	498
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C90897	D	95	EYES	
			RED DISCHARGE	
			EYE-LEFT	22, 29
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113, 120 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 575, 582 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 661
			MASS(ES)	
			MOUTH	
			WEEK 82	568
C90898	M	62	APPEARANCE	
			THIN	428, 431
			BEHAVIOR	
			HYPOACTIVE	431
			EXCRETION	
			NO FECES	431

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90898	M	62	EYES	
			SQUINTED	
			PERI-ORBITAL	428, 431
			SKIN & PELAGE	
			PALE	
			ENTIRE BODY	431
			RED HAIR COAT	
			HEAD-ENTIRE	428, 431
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421
C90899	M	104	APPEARANCE	
			PROTRUDING PENIS	680, 687, 694
			BEHAVIOR	
			HYPOACTIVE	722
			RECUMBENT	
			LATERAL	722
			EXCRETION	
			FEW FECES	715, 722
			EYES	
			RED DISCHARGE	
			EYES	722

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90899	M	104	SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	568, 575, 582
			VENTRAL-ABDOMINAL	722
			SORE/SCAB	
			DORSAL	708
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470
			WART LIKE LESION(S)	
			DORSAL	
			WEEK 69	477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701
C90900	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 731

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C90841	M3	575	83	MASS(ES) VENTRAL-ABDOMINAL WEEK 83	10 X 10MM
C90867	M3	491 TO 624	71 90	MASS(ES) DORSAL WEEK 64	15 X 15MM
		631 TO 731	91 105	MASS(ES) DORSAL WEEK 64	20 X 20MM
C90889	M3	575	83	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 76	10 X 10MM

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90901	D	74	APPEARANCE	
			HUNCHED	510, 512
			EXCRETION	
			FEW FECES	510, 512
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505
C90902	4	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 367
C90903	D	101	APPEARANCE	
			MALOCCLUSION	561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 659, 666, 673 680, 687, 694, 701, 703
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 631 638, 645, 652

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90904	T	105	DISCHARGE	
			NASAL	
			RED IN COLOR	729-730
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722
C90905	3	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 94
C90906	M	102	APPEARANCE	
			HUNCHED	713
			THIN	713
			BEHAVIOR	
			HYPOACTIVE	713
			EXCRETION	
			NO FECES	713
			EYES	
			RED DISCHARGE	
			EYES	708, 713

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90906	M	102	SKIN & PELAGE	
			BROWN HAIR COAT	
			VENTRAL-ABDOMINAL	708, 713
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701
C90907	3	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 94
C90908	T	105	APPEARANCE	
			MALOCCLUSION	155, 162, 169, 176, 302, 309, 316, 323, 330, 337, 344, 351, 358 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442, 449 456, 463, 470, 477, 484, 491, 498, 505, 512, 519, 526, 533, 540 547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631 638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715, 722 729-730
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 183, 190, 197, 204, 211, 218, 225 232, 239, 246, 253, 260, 267, 274, 281, 288, 295

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90909	4	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 367
C90910	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 732
C90911	T	105	EXCRETION	
			NONFORMED FECES	575, 582
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652
			WART LIKE LESION(S)	
			MOUTH	
			WEEK 95	659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 731

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90912	M	82	APPEARANCE	
			HUNCHED	561, 564, 568
			THIN	547, 554, 561, 564, 568
			BEHAVIOR	
			ATAXIC	564, 568
			SENSITIVE TO TOUCH	564, 568
			DISCHARGE	
			ORAL	
			RED IN COLOR	498
			EYES	
			SQUINTED	
			PERI-ORBITAL	547, 554, 561, 564, 568
			SKIN & PELAGE	
			PALE	
			ENTIRE BODY	564, 568
			YELLOW HAIR COAT	568
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 505, 512, 519, 526, 533, 540

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90913	4	53	APPEARANCE	
			MALOCCLUSION	50, 57, 64, 71, 78, 85, 92, 99, 106, 113, 120, 127, 134, 141 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323 330, 337, 344, 351, 358, 365, 367
			MISSING	
			TEETH	232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316 323, 330, 337, 344, 351, 358, 365, 367
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43
C90914	M	100	APPEARANCE	
			HUNCHED	692, 694, 696
			EXCRETION	
			FEW FECES	692, 694, 696
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631 638, 645, 652, 659, 666, 673, 680, 687, 692, 694, 696
			VENTRAL-ABDOMINAL	659, 666, 673, 680, 687, 692, 694, 696
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90914	M	100	MASS(ES)	
			LIMB-HIND-LEFT	
			WEEK 76	526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C, 596C 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C, 673C 680C, 687C, 692C, 694C, 696C
C90915	D	96	DISCHARGE	
			NASAL	
			RED IN COLOR	344, 659, 666
			SKIN & PELAGE	
			SORE/SCAB	
			HEAD-MAXILLARY-RIGHT	631, 638
			VENTRAL-ABDOMINAL	505
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575 582, 589, 596, 603, 610, 617, 624, 645, 652
C90916	T	105	EXCRETION	
			NONFORMED FECES	589, 596
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90916	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666 673, 680, 687, 694, 701, 708, 715, 722, 729, 731
C90917	3	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 94
C90918	4	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 367
C90919	D	79	APPEARANCE	
			MALOCCLUSION	477
			SWOLLEN	
			PAWS-FRONT	526, 533, 540, 547, 551
			SKIN & PELAGE	
			SORE/SCAB	
			EARS	526, 533, 540, 547, 551
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 484, 491, 498, 505, 512, 519

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90920	M	104	APPEARANCE	
			HUNCHED	727
			BEHAVIOR	
			HYPOACTIVE	727
			DISCHARGE	
			NASAL	
			RED IN COLOR	727
			EXCRETION	
			NONFORMED FECES	533, 575, 582, 727
			EYES	
			SQUINTED	
			PERI-ORBITAL	727
			RESPIRATION	
			LABORED	727
			SKIN & PELAGE	
			SORE/SCAB	
			SCROTUM	701, 708, 715, 722, 727
			TAIL	603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687 694, 701
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90920	M	104	NORMAL	
			NO REMARKABLE OBSERVATIONS	477, 484, 491, 498, 505, 512, 519, 526, 540, 547, 554, 561, 568 589, 596
C90921	3	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 94
C90922	M	64	APPEARANCE	
			THIN	442
			BEHAVIOR	
			HYPOACTIVE	442
			DISCHARGE	
			NASAL	
			RED IN COLOR	414
			EXCRETION	
			FEW FECES	414, 421, 428, 435, 442
			NONFORMED FECES	155
			EYES	
			RED DISCHARGE	
			EYES	414, 428, 435, 442
			SKIN & PELAGE	
			RED HAIR COAT	
			VENTRAL-ABDOMINAL	414
			YELLOW HAIR COAT	428, 435, 442
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90922	M	64	NORMAL	
			NO REMARKABLE OBSERVATIONS	113, 120, 127, 134, 141, 148, 162, 169, 176, 183, 190, 225, 232 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407
			MASS(ES)	
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 29	197, 204, 211, 218
C90923	M	86	APPEARANCE	
			THIN	594, 596, 601
			BEHAVIOR	
			HYPOACTIVE	594, 596, 601
			DISCHARGE	
			NASAL	
			RED IN COLOR	589, 594, 596, 601
			EXCRETION	
			FEW FECES	594, 596, 601
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-CRANIAL	589, 594, 596, 601
			SORE/SCAB	
			VENTRAL-ABDOMINAL	365, 372
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 295, 302, 309, 316, 323, 330

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90923	M	86	NORMAL	
			NO REMARKABLE OBSERVATIONS	337, 344, 351, 358, 379, 386, 393, 400, 407, 414, 421, 428, 435 442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512, 519, 526 533, 540, 547, 554, 561, 568, 575, 582
			MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 37	253, 260C, 267C, 274C, 281C, 288C
C90924	4	53	APPEARANCE	
			MALOCCLUSION	197, 204, 211, 260, 267, 295, 302, 309, 316, 323, 330, 337, 365 367
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 218 225, 232, 239, 246, 253, 274, 281, 288, 344, 351, 358
C90925	M	93	BEHAVIOR	
			HYPOACTIVE	645-646
			RECUMBENT	
			STERNAL	645-646
			DISCHARGE	
			GENITAL	
			RED IN COLOR	646
			NASAL	
			RED IN COLOR	646
			EXCRETION	
			FEW FECES	645-646

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90925	M	93	EYES	
			RED DISCHARGE	
			EYES	645-646
			SKIN & PELAGE	
			YELLOW HAIR COAT	645-646
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638
C90926	T	105	APPEARANCE	
			THIN	728-730
			EXCRETION	
			FEW FECES	728-730
			EYES	
			RED DISCHARGE	
			EYES	728-730
			SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-LEFT	596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680 687, 694, 701, 708
			YELLOW HAIR COAT	728-730

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER	GROUP: M4 DOSE: 100 PPM DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90926	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 295, 302, 309, 316, 323 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 715 722
			MASS(ES)	
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 38	260, 267, 274, 281, 288
C90927	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 631, 638, 645, 652
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 89	617C, 624C
			VENTRAL-THORACIC-LEFT	
			WEEK 95	659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C 729-730C

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90928	T	105	APPEARANCE	
			MALOCCLUSION	582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666 673, 680, 687, 694, 701, 708, 715, 722, 729-730
			THIN	617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701 708, 715, 722, 729-730
			EYES	
			DISCOLORED/LIGHT RED	
			EYES	582, 589, 596
			RESPIRATION	
			AUDIBLE	582, 589, 596
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	582, 589, 596
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90929	D	69	APPEARANCE	
			MALOCCLUSION	71, 78, 92, 99, 106, 113, 120, 127, 134, 141, 148, 155, 162, 169 176, 183, 190, 197, 204, 211, 218, 225, 232, 239, 246, 253, 260 267, 274, 281, 288, 295, 302, 309, 316, 323, 330, 337, 344, 351 358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442 449, 456, 463, 470, 477
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 85
C90930	M	90	APPEARANCE	
			CONVULSIONS	568
			MALOCCLUSION	43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113, 120, 127, 134, 141 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232 239, 246, 253, 260, 288, 295, 302, 309, 316, 323, 330, 337, 344 351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435 442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512, 519, 526 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617 624
			MISSING	
			TEETH	568, 575, 582, 589, 596, 603, 610, 617, 624
			PROTRUDING PENIS	589
			SKIN & PELAGE	
			BROWN HAIR COAT	
			VENTRAL-ABDOMINAL	582, 589, 596, 603, 610, 617, 624
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 267, 274, 281

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90931	M	98	APPEARANCE	
			LIMITED USE	
			LIMBS-HIND	680
			PAWS-FRONT	680
			BEHAVIOR	
			ATAXIC	680
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673
C90932	4	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 367
C90933	T	105	APPEARANCE	
			MALOCCLUSION	78, 85, 92, 99, 106, 134, 141, 148, 155, 162, 169, 176, 183, 190 197, 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 302 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666 673, 680, 687, 694, 701, 708, 715, 722, 729-730

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90933	T	105	DISCHARGE	
			GENITAL	
			RED IN COLOR	372, 379, 533
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 113, 120, 127, 281 288, 295
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 88	610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C, 673C, 680C 687C, 694C, 701C, 708C, 715C, 722C, 729-730C
C90934	M	103	APPEARANCE	
			HUNCHED	716, 718-719
			THIN	718-719
			BEHAVIOR	
			HYPOACTIVE	719
			DISCHARGE	
			ORAL	
			RED IN COLOR	716, 718-719
			EXCRETION	
			FEW FECES	715-716, 718-719
			SKIN & PELAGE	
			BROWN HAIR COAT	
			VENTRAL-ABDOMINAL	715-716, 718-719
			RED HAIR COAT	
			HEAD-ENTIRE	716, 718-719

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90934	M	103	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701
			MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 102	708C, 715-716C, 718-719C
C90935	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 24
C90936	M	101	APPEARANCE	
			MALOCCLUSION	43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113, 120, 127, 134, 141 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687 694, 701, 703, 705
			THIN	705
			BEHAVIOR	
			HYPOACTIVE	705

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90936	M	101	EXCRETION	
			DISCOLORED URINE	
			RED IN COLOR	705
			FEW FECES	703
			NO FECES	705
			SKIN & PELAGE	
			PALE	
			ENTIRE BODY	705
			ROUGH HAIR COAT	703, 705
			SORE/SCAB	
			PAW-HIND-LEFT	631, 638, 645, 652, 659, 666, 673, 680
			PAWS-HIND	687, 694, 701, 703, 705
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36
C90937	M	103	APPEARANCE	
			HUNCHED	715
			MALOCCLUSION	57, 64, 71, 78, 85, 92, 99, 106, 113, 120, 127, 134, 141, 148 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232, 239 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323, 330 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 694 701, 708, 715
			EXCRETION	
			NO FECES	715

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90937	M	103	SKIN & PELAGE	
			BROWN HAIR COAT	
			PERINEAL AREA	715
			VENTRAL-ABDOMINAL	715
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C90938	M	69	APPEARANCE	
			HUNCHED	477, 481
			BEHAVIOR	
			HYPOACTIVE	481
			RECUMBENT	
			LATERAL	481
			EXCRETION	
			FEW FECES	477
			SKIN & PELAGE	
			BROWN HAIR COAT	
			HEAD-MAXILLARY-LEFT	481
			HEAD-MAXILLARY-RIGHT	481
			BROWN SKIN	
			VENTRAL-ABDOMINAL	481
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90939	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 24
C90940	M	64	APPEARANCE	
			HEAD TILT	
			LEFT	442
			HUNCHED	440, 442
			THIN	440, 442
			BEHAVIOR	
			ATAXIC	440, 442
			HYPOACTIVE	440, 442
			EXCRETION	
			NO FECES	440, 442
			EYES	
			RED DISCHARGE	
			EYES	440, 442
			RESPIRATION	
			LABORED	440, 442
			SKIN & PELAGE	
			BROWN HAIR COAT	
			PERINEAL AREA	440, 442
			RED HAIR COAT	
			HEAD-ENTIRE	440, 442
			VENTRAL-ABDOMINAL	435, 440, 442
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90940	M	64	NORMAL	
			NO REMARKABLE OBSERVATIONS	113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428
C90941	M	88	APPEARANCE	
			HUNCHED	610
			THIN	589, 596, 603, 609-610
			BEHAVIOR	
			HYPOACTIVE	610
			EXCRETION	
			FEW FECES	561, 568, 575, 582, 589, 596, 603, 609-610
			EYES	
			RED DISCHARGE	
			EYES	610
			SQUINTED	
			PERI-ORBITAL	609-610
			SKIN & PELAGE	
			COLD TO TOUCH	
			ENTIRE BODY	610
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90941	M	88	NORMAL	
			NO REMARKABLE OBSERVATIONS	477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554
C90942	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 24
C90943	D	92	APPEARANCE	
			MALOCCLUSION	57, 64, 71, 78, 85, 92, 99, 106, 113, 120, 127, 134, 141, 148 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232, 239 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323, 330 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603 610, 617, 624, 629, 631, 638-639
			SWOLLEN	
			MOUTH	57, 64
			THIN	631, 638-639
			BEHAVIOR	
			HYPOACTIVE	631, 638-639
			EXCRETION	
			FEW FECES	629, 631
			NO FECES	638-639
			SKIN & PELAGE	
			YELLOW HAIR COAT	629, 631, 638-639
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90944	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 731
C90945	M	45	DISCHARGE	
			NASAL	
			RED IN COLOR	309
			RESPIRATION	
			AUDIBLE	309
			SKIN & PELAGE	
			BROWN HAIR COAT	
			VENTRAL-ABDOMINAL	309
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90946	M	78	APPEARANCE	
			MALOCCLUSION	50, 57, 64, 71, 78, 85, 92, 99, 106, 113, 120, 127, 134, 141 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505 512, 518-519, 526, 533, 540
			THIN	518-519, 526, 533, 540
			EYES	
			RED DISCHARGE	
			EYE-LEFT	540
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43
C90947	T	105	SKIN & PELAGE	
			SORE/SCAB	
			DORSAL-THORACIC-RIGHT	561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645 652, 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 731
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90948	T	105	APPEARANCE	
			MALOCCLUSION	134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673 680, 687, 694, 701, 708, 715, 722, 729, 731
			EYES	
			RED DISCHARGE	
			EYES	127
			SKIN & PELAGE	
			SORE/SCAB	
			PAWS-HIND	477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 731
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120
C90949	M	13	APPEARANCE	
			MALOCCLUSION	71, 78, 85-86
			THIN	78, 85-86
			EXCRETION	
			NONFORMED FECES	85-86

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90949	M	13	SKIN & PELAGE	
			BROWN HAIR COAT	
			SCROTUM	85-86
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64
C90950	4	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 367
C90951	4	53	APPEARANCE	
			MALOCCLUSION	120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 367
			MISSING	
			TEETH	120, 127, 134, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 367
			EYES	
			RED DISCHARGE	
			EYE-RIGHT	29, 36, 43
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90952	M	59	BEHAVIOR	
			RECUMBENT	
			LATERAL	411
			EXCRETION	
			FEW FECES	407, 411
			EYES	
			RED DISCHARGE	
			EYE-LEFT	386
			SQUINTED	
			PERI-ORBITAL	407, 411
			RESPIRATION	
			AUDIBLE	411
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 393, 400
C90953	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729-730

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90954	M	69	APPEARANCE	
			THIN	477, 479
			EXCRETION	
			NO FECES	479
			SKIN & PELAGE	
			ROUGH HAIR COAT	225, 477, 479
			YELLOW HAIR COAT	463, 470, 477, 479
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 449, 456
C90955	T	105	APPEARANCE	
			SWOLLEN	
			TAIL-PROXIMAL	659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 732
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90956	T	105	APPEARANCE	
			HUNCHED	727, 729, 731
			MALOCCLUSION	71, 78, 85, 92, 99, 106, 113, 120, 127, 134, 141, 148, 155, 162 169, 176, 183, 190, 197, 204, 211, 218, 225, 232, 239, 246, 253 260, 267, 274, 281, 288, 295, 302, 309, 316, 323, 330, 337, 344 351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435 442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512, 519, 526 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617 624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708 715, 722, 727, 729, 731
			THIN	727, 729, 731
			EXCRETION	
			NO FECES	727, 729, 731
			EYES	
			SQUINTED	
			PERI-ORBITAL	729, 731
			SKIN & PELAGE	
			BROWN HAIR COAT	
			VENTRAL-ABDOMINAL	727, 729, 731
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90957	4	53	APPEARANCE	
			MALOCCLUSION	50, 57, 64, 71, 78, 85, 92, 99, 106, 113, 120, 127, 134, 141 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323 330, 337, 344, 351, 358, 365, 367
			MISSING	
			TEETH	302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 367
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43
C90958	D	94	APPEARANCE	
			MALOCCLUSION	50, 57, 64, 71, 78, 85, 92, 99, 106, 113, 120, 127, 134, 141 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596 603, 610, 617, 624, 631, 638, 645, 652, 656
			SWOLLEN	
			PAW-HIND-LEFT	477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 656
			SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-LEFT	351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435 442, 449, 456, 463, 470
			PAW-HIND-RIGHT	526, 533, 540, 547
			PAWS-HIND	554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638 645, 652, 656

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90958	D	94	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43
C90959	M	86	APPEARANCE	
			HEAD TILT	
			LEFT	600
			BEHAVIOR	
			ATAXIC	600
			EXCRETION	
			FEW FECES	600
			EYES	
			RED DISCHARGE	
			EYE-RIGHT	600
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90960	3	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 94
C90961	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 24
C90962	M	71	APPEARANCE	
			HUNCHED	477, 484, 488-489, 491-492
			MALOCCLUSION	295
			THIN	491-492
			BEHAVIOR	
			HYPOACTIVE	488-489, 491-492
			EXCRETION	
			NO FECES	491-492
			EYES	
			SQUINTED	
			PERI-ORBITAL	488-489, 491-492
			SKIN & PELAGE	
			RED HAIR COAT	
			VENTRAL-ABDOMINAL	488-489, 491-492
			ROUGH HAIR COAT	477, 484, 488-489, 491-492
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90963	M	73	APPEARANCE	
			HUNCHED	477, 484, 509
			THIN	498, 505, 507, 509
			BEHAVIOR	
			ATAXIC	509
			HYPOACTIVE	507, 509
			SKIN & PELAGE	
			COLD TO TOUCH	
			ENTIRE BODY	507, 509
			ROUGH HAIR COAT	477, 484, 491, 498, 505, 507, 509
			SORE/SCAB	
			HEAD-MAXILLARY-LEFT	386, 393, 400
			YELLOW HAIR COAT	507, 509
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 407, 414, 421, 428, 435, 442, 449, 456, 463, 470
C90964	M	74	APPEARANCE	
			MALOCCLUSION	99, 106, 113, 295, 302, 309, 316, 323, 330, 337, 344, 351, 358 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442, 449 456, 463, 470
			PARALYSIS	
			LIMB-FRONT-LEFT	120
			SWOLLEN	
			PAWS-HIND	505, 512, 515
			THIN	512, 515

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER	GROUP: M4 DOSE: 100 PPM DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90964	M	74	EYES	
			DISCOLORED/LIGHT RED	
			EYE-LEFT	512, 515
			OPAQUE	
			EYE-RIGHT	512, 515
			SKIN & PELAGE	
			PALE	
			ENTIRE BODY	515
			SORE/SCAB	
			HEAD-MAXILLARY-RIGHT	8
			MOUTH	477, 484
			PAW-HIND-RIGHT	302, 309, 316, 323, 330, 337, 344
			PAWS-HIND	351, 358, 365, 372, 379, 477, 484, 491, 498, 505, 512, 515
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 127, 134, 141 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232 239, 246, 253, 260, 267, 274, 281, 288
			MASS(ES)	
			MOUTH	
			WEEK 67	463, 470
C90965	T	105	APPEARANCE	
			MALOCCLUSION	50, 57, 64, 71, 78, 85, 92, 99, 106, 113, 120, 127, 134, 141 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER	GROUP: M4 DOSE: 100 PPM DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90965	T	105	APPEARANCE	
			MALOCCLUSION	694, 701, 708, 715, 722, 729, 731
			SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-LEFT	729, 731
			PAW-HIND-RIGHT	568, 575, 582, 589, 596
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43
C90966	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 24
C90967	4	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 367
C90968	T	105	APPEARANCE	
			MALOCCLUSION	589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673 680, 687, 694, 701, 708, 715, 722, 729-730
			THIN	477
			EXCRETION	
			NO FECES	477
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	477, 484
			VENTRAL-ABDOMINAL	477

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90968	T	105	SKIN & PELAGE	
			SORE/SCAB	
			DORSAL-THORACIC-LEFT	477
			PAWS-HIND	477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729-730
			VENTRAL-ABDOMINAL	477
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470
C90969	D	85	APPEARANCE	
			THIN	568, 575
			BEHAVIOR	
			HYPOACTIVE	568
			EXCRETION	
			FEW FECES	568, 575
			EYES	
			SQUINTED	
			PERI-ORBITAL	568
			SKIN & PELAGE	
			BROWN HAIR COAT	
			GENERALIZED	568, 575

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90969	D	85	SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-RIGHT	540, 547, 554, 561, 568, 575, 582, 589, 593
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533
C90970	M	100	BEHAVIOR	
			HYPOACTIVE	697
			EXCRETION	
			NONFORMED FECES	344
			EYES	
			SQUINTED	
			PERI-ORBITAL	697
			RESPIRATION	
			IRREGULAR	697
			SKIN & PELAGE	
			COLD TO TOUCH	
			ENTIRE BODY	697
			SORE/SCAB	
			DORSAL	568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 697
			PAW-HIND-LEFT	666, 673, 680, 687, 694, 697

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER	GROUP: M4 DOSE: 100 PPM DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C90970	M	100	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 351, 358, 365, 372, 379
			MASS(ES)	
			DORSAL	
			WEEK 56	386C, 393C, 400C, 407C, 414C, 421C, 428C, 435C, 442C, 449C, 456C 463C, 470C, 477C, 484C, 491C, 498C, 505C, 512C, 519C, 526C, 533C 540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C 617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C, 673C, 680C, 687C 694C, 697C

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD / QUALIFIER	FREE-TEXT COMMENT
C90914	M4	526	76	MASS(ES) LIMB-HIND-LEFT WEEK 76	50X40MM
		533 TO 568	77 82	MASS(ES) LIMB-HIND-LEFT WEEK 76	50 X 50MM
		575 TO 696	83 100	MASS(ES) LIMB-HIND-LEFT WEEK 76	65 X 60MM
C90923	M4	260 TO 288	38 42	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 37	10X 10MM
C90927	M4	617 TO 624	89 90	MASS(ES) AXILLARY REGION-RIGHT WEEK 89	10 X 10MM
		659 TO 701	95 101	MASS(ES) VENTRAL-THORACIC-LEFT WEEK 95	40 X 30MM
		708 TO 722	102 104	MASS(ES) VENTRAL-THORACIC-LEFT WEEK 95	55 X 60MM
		729 TO 730	105 105	MASS(ES) VENTRAL-THORACIC-LEFT WEEK 95	70 X 65MM

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C90933	M4	610	88	MASS(ES)	10 X 10MM
	TO	624	90	AXILLARY REGION-LEFT	
				WEEK 88	
		631	91	MASS(ES)	35 X 40MM
	TO	638	92	AXILLARY REGION-LEFT	
				WEEK 88	
		645	93	MASS(ES)	40 X 40MM
				AXILLARY REGION-LEFT	
				WEEK 88	
		652	94	MASS(ES)	60 X 60MM
				AXILLARY REGION-LEFT	
				WEEK 88	
		659	95	MASS(ES)	80 X 60MM
	TO	687	99	AXILLARY REGION-LEFT	
				WEEK 88	
		694	100	MASS(ES)	100 X 70MM
	TO	701	101	AXILLARY REGION-LEFT	
				WEEK 88	
		708	102	MASS(ES)	100 X 110MM
	TO	715	103	AXILLARY REGION-LEFT	
				WEEK 88	
		722	104	MASS(ES)	110 X 110MM
				AXILLARY REGION-LEFT	
				WEEK 88	

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C90933	M4	729	105	MASS(ES)	120 X 110MM
	TO	730	105	AXILLARY REGION-LEFT	
				WEEK 88	
C90934	M4	708	102	MASS(ES)	25 X 40MM
	TO	719	103	VENTRAL-ABDOMINAL	
				WEEK 102	
C90970	M4	386	56	MASS(ES)	10 X 10MM
	TO	484	70	DORSAL	
				WEEK 56	
		491	71	MASS(ES)	15 X 15MM
	TO	526	76	DORSAL	
				WEEK 56	
		533	77	MASS(ES)	20 X 25MM
	TO	697	100	DORSAL	
				WEEK 56	

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER (GROUP: M5 DOSE: 300 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90971	2	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 54
C90972	2	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 54
C90973	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C90974	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C90975	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C90976	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C90977	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C90978	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C90979	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER	GROUP: M5 DOSE: 300 PPM DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90980	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C90981	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C90982	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C90983	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C90984	1	4	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 24
C90985	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C90986	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C90987	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C90988	2	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 54

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M5 DOSE: 300 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90989	6	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C90990	6	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C90991	6	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C90992	6	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C90993	D	8	APPEARANCE	
			MALOCCLUSION	50, 53
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43
C90994	6	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C90995	6	8	SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-CERVICAL	15, 22, 29, 36, 43, 50
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M5 DOSE: 300 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C90996	2	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 54
C90997	6	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C90998	6	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C90999	6	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91000	6	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91001	6	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91002	6	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91003	D	7	APPEARANCE	
			CONVULSIONS	43
			BEHAVIOR	
			HYPOACTIVE	43
			SKIN & PELAGE	
			COLD TO TOUCH	
			ENTIRE BODY	43
			PALE	
			ENTIRE BODY	43

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER	GROUP: M5 DOSE: 300 PPM DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91003	D	7	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 45
C91004	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91005	1	4	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 24
C91006	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91007	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91008	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91009	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91010	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91011	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M5 DOSE: 300 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91012	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91013	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91014	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91015	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91016	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91017	2	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 54
C91018	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91019	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91020	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M5 DOSE: 300 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91021	6	8	APPEARANCE	
			MALOCCLUSION	46, 50
			THIN	50
			DISCHARGE	
			NASAL	
			RED IN COLOR	46, 50
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43
C91022	6	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91023	6	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91024	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 24
C91025	6	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	8, 15, 22, 29, 36, 43, 50
C91026	6	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M5 DOSE: 300 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91027	6	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91028	6	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91029	M	7	APPEARANCE	
			CONVULSIONS	49
			BEHAVIOR	
			VOCALIZATION	49
			DISCHARGE	
			UNKNOWN	
			RED IN COLOR	49
			RESPIRATION	
			LABORED	49
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	49
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER (GROUP: M5 DOSE: 300 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91030	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91031	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91032	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91033	1	4	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 24
C91034	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91035	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91036	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91037	1	4	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 24
C91038	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER	GROUP: M5 DOSE: 300 PPM DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91039	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91040	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91041	M	61	APPEARANCE	
			THIN	421
			EXCRETION	
			FEW FECES	407, 414, 421
			EYES	
			SQUINTED	
			PERI-ORBITAL	414, 421
			SKIN & PELAGE	
			BROWN HAIR COAT	
			VENTRAL-ABDOMINAL	407, 414, 421
			RED HAIR COAT	
			VENTRAL-CERVICAL	421
			ROUGH HAIR COAT	421
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400
C91042	D	93	APPEARANCE	
			CONVULSIONS	603, 610
			SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-LEFT	638, 645, 650

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91042	D	93	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 617, 624, 631
C91043	M	85	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512
			MASS(ES)	
			INGUINAL REGION-RIGHT	
			WEEK 75	519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C 589-590C
C91044	M	64	APPEARANCE	
			HEAD TILT	
			RIGHT	443
			HUNCHED	443
			THIN	435, 442-443
			DISCHARGE	
			ORAL	
			CLEAR	57

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91044	M	64	DISCHARGE	
			NASAL	
			RED IN COLOR	183
			EXCRETION	
			FEW FECES	443
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 64, 71, 78, 85, 92, 99, 106, 113 120, 127, 134, 141, 148, 155, 162, 169, 176, 190, 197, 204, 211 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393 400, 407, 414, 421, 428
C91045	M	51	APPEARANCE	
			PARALYSIS	
			LIMB-FRONT-LEFT	120
			BEHAVIOR	
			HYPOACTIVE	351, 353
			EXCRETION	
			FEW FECES	351, 353
			NONFORMED FECES	351
			EYES	
			RED DISCHARGE	
			EYE-LEFT	92, 99, 106, 113, 281, 288, 295, 302, 309, 316, 323, 330, 337 344
			EYES	351, 353

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91045	M	51	SKIN & PELAGE	
			BROWN HAIR COAT	
			VENTRAL-ABDOMINAL	351, 353
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 127, 134, 141 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232 239, 246, 253, 260, 267, 274
C91046	M	7	EYES	
			RED DISCHARGE	
			EYE-LEFT	43-44
			RESPIRATION	
			IRREGULAR	43-44
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36
C91047	U	105	APPEARANCE	
			MALOCCLUSION	57, 64, 71, 78, 85, 92, 99, 106, 113, 120, 127, 134, 141, 148 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232, 239 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323, 330 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 694 701, 708, 715, 722, 729, 732
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91048	M	80	APPEARANCE	
			THIN	547, 554
			BEHAVIOR	
			HYPOACTIVE	547, 554
			EXCRETION	
			FEW FECES	547
			NO FECES	554
			EYES	
			SQUINTED	
			PERI-ORBITAL	547, 554
			SKIN & PELAGE	
			BROWN HAIR COAT	
			GENERALIZED	547, 554
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91049	D	43	APPEARANCE	
			SWOLLEN	
			VENTRAL-ABDOMINAL	288, 295
			BEHAVIOR	
			RECUMBENT	
			LATERAL	295
			DISCHARGE	
			NASAL	
			RED IN COLOR	295
			EXCRETION	
			FEW FECES	288, 295
			NO FECES	281
			RESPIRATION	
			IRREGULAR	295
			SKIN & PELAGE	
			ROUGH HAIR COAT	295
			YELLOW HAIR COAT	295
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91050	D	103	APPEARANCE	
			MALOCCLUSION	141, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680 687, 694, 701, 708, 715, 719
			SKIN & PELAGE	
			YELLOW HAIR COAT	652, 659, 666, 673, 680, 687, 694
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134
			WART LIKE LESION(S)	
			DORSAL	
			WEEK 95	659, 666, 673, 680, 687, 694, 701, 708, 715, 719
C91051	M	89	APPEARANCE	
			THIN	617-618
			BEHAVIOR	
			HYPOACTIVE	617-618
			SENSITIVE TO TOUCH	617-618
			EXCRETION	
			NO FECES	617-618

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91051	M	89	SKIN & PELAGE	
			PALE	
			ENTIRE BODY	617-618
			SORE/SCAB	
			PAW-HIND-LEFT	547, 554, 561
			PAWS-HIND	568, 575, 582, 589, 596, 603, 607, 610, 617-618
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540
C91052	M	68	APPEARANCE	
			HEAD TILT	
			RIGHT	463, 470
			SKIN & PELAGE	
			ROUGH HAIR COAT	449, 456, 463, 470
			SORE/SCAB	
			PAW-HIND-LEFT	449, 456, 463, 470
			VENTRAL-ABDOMINAL	211, 218, 225
			YELLOW HAIR COAT	463, 470
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400 407, 414, 421, 428, 435, 442

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91053	D	83	APPEARANCE	
			MALOCCLUSION	498, 505, 547, 554, 561, 568, 575, 580
			SWOLLEN	
			PAW-HIND-LEFT	456, 463, 470
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 477, 484, 491 512, 519, 526, 533, 540
C91054	U	105	SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-RIGHT	680, 687, 694, 701, 708, 715, 722, 729, 732
			VENTRAL-ABDOMINAL	729, 732
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 568, 575, 582 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673
			WART LIKE LESION(S)	
			NOSE	
			WEEK 79	547, 554, 561

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91055	D	82	APPEARANCE	
			HEAD TILT	
			RIGHT	564-566
			MALOCCLUSION	566, 568-569
			BEHAVIOR	
			HYPOACTIVE	569
			RECUMBENT	
			STERNAL	569
			EXCRETION	
			FEW FECES	564
			NO FECES	565-566, 568-569
			EYES	
			SQUINTED	
			PERI-ORBITAL	569
			SKIN & PELAGE	
			BROWN HAIR COAT	
			PERINEAL AREA	566, 568-569
			VENTRAL-ABDOMINAL	566, 568-569
			YELLOW HAIR COAT	564-566, 568-569
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91056	U	105	APPEARANCE	
			MALOCCLUSION	71, 78, 85, 92, 99, 106, 211, 218, 225, 232, 239, 246, 253, 260 267, 274, 281, 288, 295, 302, 309, 316, 323, 330, 337, 344, 351 358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442 449, 456, 463, 470, 477, 484, 491, 498, 505, 512, 519, 526, 533 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624 631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715 722, 729, 732
			SWOLLEN	
			MOUTH	56-57, 64
			DISCHARGE	
			NASAL	
			RED IN COLOR	56-57, 64
			EYES	
			RED DISCHARGE	
			EYES	56-57
			RESPIRATION	
			LABORED	56-57
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 113, 120, 127, 134, 141, 148, 155 162, 169, 176, 183, 190, 197, 204
			MASS(ES)	
			HEAD	
			WEEK 102	708C, 715C, 722C, 729C, 732C

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91057	D	73	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 510
C91058	M	83	APPEARANCE	
			MALOCCLUSION	575
			SWOLLEN	
			MOUTH	575
			SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-CERVICAL	22, 29
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113, 120 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568
			WART LIKE LESION(S)	
			MOUTH	
			WEEK 83	575

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91059	M	83	APPEARANCE	
			THIN	567-568, 575-576
			DISCHARGE	
			GENITAL	
			RED IN COLOR	106, 239, 274
			EXCRETION	
			FEW FECES	567-568, 575-576
			EYES	
			RED DISCHARGE	
			EYE-LEFT	232, 239, 246, 253
			SQUINTED	
			PERI-ORBITAL	576
			RESPIRATION	
			LABORED	576
			SKIN & PELAGE	
			BROWN HAIR COAT	
			PERINEAL AREA	568, 575
			GENERALIZED	576
			RED HAIR COAT	
			HEAD-ENTIRE	567
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 113 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204 211, 218, 225, 260, 267, 281, 288, 295, 302, 309, 316, 323, 330 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91059	M	83	NORMAL	
			NO REMARKABLE OBSERVATIONS	519, 526, 533, 540, 547, 554, 561
C91060	U	105	EYES	
			DISCOLORED/LIGHT RED	
			EYE-RIGHT	582, 589, 596, 603, 610, 617
			RED DISCHARGE	
			EYE-RIGHT	589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673 680, 687, 694, 701, 708, 715, 722, 729, 732
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575
C91061	D	90	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 87	603C, 610C, 617C, 624C, 627C

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91062	M	93	APPEARANCE	
			HEAD TILT	
			LEFT	631, 638, 645
			HUNCHED	638, 645
			THIN	568, 575, 582, 589, 596, 603, 608, 610-611, 617, 624, 631, 638 645
			BEHAVIOR	
			HYPOACTIVE	617, 624, 631, 638, 645
			EXCRETION	
			FEW FECES	568, 575, 608, 610-611, 617, 624, 631, 638, 645
			SKIN & PELAGE	
			BROWN HAIR COAT	
			PERINEAL AREA	638, 645
			PALE	
			ENTIRE BODY	638, 645
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91063	M	100	APPEARANCE	
			THIN	680, 683, 687, 691, 694, 697
			EXCRETION	
			FEW FECES	680, 683, 687, 691, 694, 697
			EYES	
			PALE	
			EYES	680, 683, 687, 691, 694, 697
			SKIN & PELAGE	
			BROWN HAIR COAT	
			VENTRAL-ABDOMINAL	680, 683, 687, 691, 694, 697
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673
C91064	D	97	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91064	D	97	NORMAL	
			NO REMARKABLE OBSERVATIONS	659, 666, 673, 679
C91065	U	105	APPEARANCE	
			MALOCCLUSION	120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 732
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113
C91066	M	86	APPEARANCE	
			HUNCHED	589, 596, 598
			THIN	547, 554, 561, 568, 575, 582, 589, 596, 598
			BEHAVIOR	
			HYPOACTIVE	598
			SENSITIVE TO TOUCH	598
			EXCRETION	
			FEW FECES	547, 554, 561, 568, 575, 582, 589, 596, 598
			SKIN & PELAGE	
			COLD TO TOUCH	
			ENTIRE BODY	598

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91066	M	86	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540
C91067	D	100	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 696
C91068	M	12	APPEARANCE	
			HUNCHED	71, 78
			THIN	57, 64, 71, 78
			DISCHARGE	
			NASAL	
			RED IN COLOR	43, 50
			EXCRETION	
			LIQUID FECES	64
			NONFORMED FECES	71, 78
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91069	D	84	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 585
C91070	U	105	SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-LEFT	729, 732
			PAW-HIND-RIGHT	456, 463
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 470, 477, 484 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666 673, 680, 687, 694, 701, 708, 715, 722
C91071	U	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91071	U	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 732
C91072	U	105	EXCRETION	
			FEW FECES	728-729, 732
			SKIN & PELAGE	
			YELLOW HAIR COAT	728-729, 732
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722
			MASS(ES)	
			MOUTH	
			WEEK 104	728-729, 732
C91073	U	105	APPEARANCE	
			SWOLLEN	
			PAW-HIND-LEFT	673, 680, 687, 694, 701
			DISCHARGE	
			GENITAL	
			RED IN COLOR	365, 379, 386

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91073	U	105	EYES	
			RED DISCHARGE	
			EYE-RIGHT	372
			SKIN & PELAGE	
			BROWN HAIR COAT	
			PERINEAL AREA	729, 732
			SORE/SCAB	
			PAW-HIND-LEFT	449, 456, 463, 470, 568, 575, 582, 589, 596, 603, 610, 617, 624 631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715 722, 729, 732
			YELLOW HAIR COAT	624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708 715, 722, 729, 732
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 393, 400, 407 414, 421, 428, 435, 442, 477, 484, 491, 498, 505, 512, 519, 526 533, 540, 547, 554, 561
C91074	M	102	BEHAVIOR	
			SENSITIVE TO TOUCH	711
			EXCRETION	
			FEW FECES	708
			NO FECES	711
			EYES	
			RED DISCHARGE	
			EYE-RIGHT	638, 645

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91074	M	102	EYES	
			RED DISCHARGE	
			EYES	711
			SQUINTED	
			PERI-ORBITAL	708, 711
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	708
			SORE/SCAB	
			PAW-HIND-LEFT	344
			PAW-HIND-RIGHT	295
			PAWS-HIND	302, 309, 316, 323, 330, 337, 351, 358, 365, 372, 379, 386, 393 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666 673, 680, 687, 694, 701, 708, 711
			YELLOW HAIR COAT	687, 694, 701, 708, 711
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288
C91075	M	78	BEHAVIOR	
			HYPOACTIVE	540
			RECUMBENT	
			STERNAL	540
			DISCHARGE	
			GENITAL	
			RED IN COLOR	372

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91075	M	78	EXCRETION	
			FEW FECES	540
			EYES	
			RED DISCHARGE	
			EYES	540
			RESPIRATION	
			LABORED	540
			SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-LEFT	526, 533, 540
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505, 512, 519
C91076	U	105	APPEARANCE	
			MALOCCLUSION	43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113, 120, 127, 134, 141 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687 694, 701, 708, 715, 722, 729, 732

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91076	U	105	DISCHARGE	
			GENITAL	
			RED IN COLOR	491
			SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-RIGHT	512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687 694, 701, 708, 715, 722, 729, 732
			YELLOW HAIR COAT	631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715 722, 729, 732
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36
C91077	M	84	APPEARANCE	
			MALOCCLUSION	155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232, 239 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323, 330 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 588
			MISSING	
			TEETH	512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 588
			SWOLLEN	
			MOUTH	547
			SKIN & PELAGE	
			COLD TO TOUCH	
			ENTIRE BODY	588
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91077	M	84	NORMAL	
			NO REMARKABLE OBSERVATIONS	113, 120, 127, 134, 141, 148
C91078	D	93	APPEARANCE	
			LIMITED USE	
			LIMB-HIND-RIGHT	386, 393, 400, 407, 414, 421, 428
			SWOLLEN	
			PAW-HIND-RIGHT	435, 442, 449, 456, 463, 470, 477, 484
			SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-LEFT	568, 575, 582, 589, 596, 603, 610, 617, 624, 631
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 638, 645 649
C91079	M	85	APPEARANCE	
			HEAD TILT	
			RIGHT	579, 582, 588-590
			THIN	568, 575, 579, 582, 588-590
			BEHAVIOR	
			ATAXIC	590
			HYPOACTIVE	579, 582, 588-590

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91079	M	85	EYES	
			RED DISCHARGE	
			EYES	190, 288, 295
			RESPIRATION	
			IRREGULAR	568, 575, 579, 582, 588-590
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 197, 204 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 302, 309 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491 498, 505, 512, 519, 526, 533, 540, 547, 554, 561
C91080	D	98	APPEARANCE	
			THIN	679-681
			EXCRETION	
			FEW FECES	679-681
			SKIN & PELAGE	
			SORE/SCAB	
			HEAD-ENTIRE	435
			PAW-HIND-LEFT	547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631 638, 645, 652, 659, 666, 673, 679-681
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91080	D	98	NORMAL	
			NO REMARKABLE OBSERVATIONS	386, 393, 400, 407, 414, 421, 428
			WART LIKE LESION(S)	
			EAR-LEFT	
			WEEK 65	449, 456, 463, 470, 477, 484, 491, 498, 505, 512, 519, 526, 533 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624 631, 638, 645, 652, 659, 666, 673, 679-681
			VENTRAL-ABDOMINAL	
			WEEK 64	442, 449
			WEEK 76	526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610 617, 624, 631, 638, 645, 652, 659, 666, 673, 679-681

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91043	M6	519	75	MASS(ES)	40 X 40MM
	TO	526	76	INGUINAL REGION-RIGHT	
				WEEK 75	
		533	77	MASS(ES)	60 X 55MM
	TO	561	81	INGUINAL REGION-RIGHT	
				WEEK 75	
		568	82	MASS(ES)	65 X 70MM
	TO	582	84	INGUINAL REGION-RIGHT	
				WEEK 75	
		589	85	MASS(ES)	80 X 80MM
	TO	590	85	INGUINAL REGION-RIGHT	
				WEEK 75	
C91056	M6	708	102	MASS(ES)	40 X 35MM
	TO	722	104	HEAD	
				WEEK 102	
		729	105	MASS(ES)	50 X 40MM
	TO	732	105	HEAD	
				WEEK 102	
C91061	M6	603	87	MASS(ES)	30 X 30MM
	TO	617	89	AXILLARY REGION-RIGHT	
				WEEK 87	
		624	90	MASS(ES)	40 X 50
	TO	627	90	AXILLARY REGION-RIGHT	
				WEEK 87	

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER (GROUP: M7 DOSE: 300 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91081	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91082	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91083	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91084	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91085	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91086	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91087	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91088	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91089	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M7 DOSE: 300 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91090	6	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91091	6	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91092	6	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91093	6	8	APPEARANCE	
			MALOCCLUSION	36, 43, 50
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29
C91094	6	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91095	6	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91096	6	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91097	6	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M7 DOSE: 300 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91098	6	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91099	D	6	APPEARANCE	
			DEHYDRATED	38-39
			BEHAVIOR	
			HYPOACTIVE	38-39
			DISCHARGE	
			ORAL	
			RED IN COLOR	38-39
			EXCRETION	
			FEW FECES	38-39
			SKIN & PELAGE	
			YELLOW HAIR COAT	38-39
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 38
C91100	6	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M7 DOSE: 300 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91101	6	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91102	6	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91103	6	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91104	6	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91105	6	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91106	6	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91107	6	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91108	6	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91109	6	8	APPEARANCE	
			MALOCCLUSION	22, 29, 36, 43, 50
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M7 DOSE: 300 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91110	6	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91111	6	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91112	6	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91113	6	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91114	6	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91115	6	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91116	6	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91117	6	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91118	6	8	SKIN & PELAGE	
			SORE/SCAB	
			HEAD-ENTIRE	15
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 22, 29, 36, 43, 50

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M7 DOSE: 300 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91119	6	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91120	6	8	APPEARANCE	
			THIN	50
			SKIN & PELAGE	
			RED HAIR COAT	
			VENTRAL-ABDOMINAL	43, 50
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91121	4	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 367
C91122	4	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 367
C91123	D	98	BEHAVIOR	
			HYPOACTIVE	683
			RECUMBENT	
			STERNAL	683
			EYES	
			CLOUDY DISCHARGE	
			EYE-RIGHT	113
			RESPIRATION	
			LABORED	683
			SKIN & PELAGE	
			SORE/SCAB	
			DORSAL	659, 666, 673, 680, 683
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91123	D	98	NORMAL	
			NO REMARKABLE OBSERVATIONS	302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568 575, 582
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 97	673, 680, 683
			AXILLARY REGION-RIGHT	
			WEEK 85	589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C 666C, 673C, 680C, 683C
			INGUINAL REGION-RIGHT	
			WEEK 94	652C, 659C, 666C, 673C, 680C, 683C
C91124	4	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 367
C91125	M	96	APPEARANCE	
			MALOCCLUSION	253
			THIN	671
			EXCRETION	
			FEW FECES	659, 666
			NO FECES	671
			EYES	
			RED DISCHARGE	
			EYES	671

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91125	M	96	RESPIRATION	
			LABORED	671
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 260, 267, 274, 281, 288, 295 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505, 512, 561, 568, 575, 582, 589, 596
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 75	519, 526, 533, 540, 547, 554
			AXILLARY REGION-RIGHT	
			WEEK 76	526, 533, 540, 547, 554
			INGUINAL REGION-RIGHT	
			WEEK 87	603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C, 671C
C91126	2	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 54
C91127	T	105	APPEARANCE	
			MALOCCLUSION	724, 727
			EXCRETION	
			FEW FECES	724, 727, 729-730
			SKIN & PELAGE	
			SORE/SCAB	
			LATERAL-ABDOMINAL-LEFT	617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701 708, 715, 722, 724, 727, 729-730

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91127	T	105	SKIN & PELAGE	
			SORE/SCAB	
			LIMB-HIND-LEFT	568, 575, 582, 589, 596, 603
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 610
			MASS(ES)	
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 91	631, 638, 645, 652, 659C, 666C, 673C, 680C, 687C, 694C, 701C 708C, 715C, 722C, 724C, 727C, 729-730C
C91128	M	75	EXCRETION	
			FEW FECES	523
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	523
			VENTRAL-ABDOMINAL	523
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91128	M	75	NORMAL	
			NO REMARKABLE OBSERVATIONS	477, 484, 491, 498, 505, 512, 519
C91129	3	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 94
C91130	D	77	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533-534
C91131	T	105	APPEARANCE	
			THIN	582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666 673, 680, 687, 694, 701, 708, 715, 722, 729-730
			SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-LEFT	687, 694, 701, 708, 715, 722, 729-730
			PAWS-HIND	659, 666, 673, 680
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91132	M	89	SKIN & PELAGE	
			BLUE SKIN	
			VENTRAL-ABDOMINAL-LEFT	498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582 589, 596, 603, 610, 617-618
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435
			MASS(ES)	
			INGUINAL REGION-LEFT	
			WEEK 64	442, 449, 456, 463, 470C, 477C, 484C, 491C, 498C, 505C, 512C 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C 596C, 603C, 610C, 617-618C
C91133	4	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 367
C91134	M	75	APPEARANCE	
			HUNCHED	518-519
			THIN	491, 498, 501, 505, 512, 518-519
			EXCRETION	
			FEW FECES	477, 484, 491, 498, 501, 505, 512, 518-519

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER	GROUP: F1 DOSE: 0 PPM DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91134	M	75	EYES	
			RED DISCHARGE	
			EYES	518-519
			SKIN & PELAGE	
			COLD TO TOUCH	
			ENTIRE BODY	518-519
			RED HAIR COAT	
			LIMBS-FRONT	505, 512, 518-519
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 59	407, 414, 421, 428, 435, 442C, 449C, 456C, 463C, 470C, 477C 484C, 491C
			AXILLARY REGION-RIGHT	
			WEEK 56	386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491
			VENTRAL-ABDOMINAL	
			WEEK 51	351C, 358C, 365C, 372C, 379C, 386C, 393C, 400C, 407C, 414C, 421C 428C, 435C, 442C, 449C, 456C, 463C, 470C, 477C, 484C, 491C, 498C 501C, 505C, 512C, 518-519C

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91135	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 24
C91136	M	90	APPEARANCE	
			HEAD TILT	
			RIGHT	624
			EYES	
			RED DISCHARGE	
			EYE-RIGHT	610, 617, 624
			SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-RIGHT	568, 575, 582, 589, 596, 603, 610, 617, 624
			YELLOW HAIR COAT	624
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561
C91137	M	103	APPEARANCE	
			LIMITED USE	
			PAW-HIND-RIGHT	701, 708, 714-715
			SWOLLEN	
			PAW-HIND-RIGHT	617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701 708, 714-715

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	CODE	DEATH WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91137	M	103	BEHAVIOR	
			HYPOACTIVE	715
			EXCRETION	
			NO FECES	708, 714-715
			EYES	
			SQUINTED	
			PERI-ORBITAL	708, 714-715
			SKIN & PELAGE	
			BROWN HAIR COAT	
			PERINEAL AREA	708, 714-715
			RED HAIR COAT	
			HEAD-ENTIRE	708, 714-715
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91138	T	105	APPEARANCE	
			MALOCCLUSION	176, 183, 190, 197, 204, 211, 218, 225, 232, 239, 246, 253, 260 267, 274, 281, 288, 295, 302, 309, 316, 323, 330, 337, 344, 351 358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442 449, 456, 463, 470, 477, 484, 491, 498, 505, 512, 519, 526, 533 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624 631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715 722, 729, 732
			EXCRETION	
			NONFORMED FECES	568
			SKIN & PELAGE	
			RED HAIR COAT	
			PERINEAL AREA	533
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 99	687C, 694C, 701C, 708C, 715C, 722C, 729C, 732C
C91139	M	62	APPEARANCE	
			HEAD TILT	
			RIGHT	432
			EYES	
			RED DISCHARGE	
			EYE-RIGHT	421, 428, 432

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER	GROUP: F1 DOSE: 0 PPM DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91139	M	62	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414
C91140	2	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 54
C91141	D	80	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484
			MASS(ES)	
			LIMB-HIND-RIGHT	
			WEEK 71	491C, 498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 558C
C91142	M	73	BEHAVIOR	
			SENSITIVE TO TOUCH	505
			EXCRETION	
			FEW FECES	498, 505
			NO FECES	505
			EYES	
			RED DISCHARGE	
			EYE-LEFT	351

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91142	M	73	EYES	
			RED DISCHARGE	
			EYES	498, 505
			SKIN & PELAGE	
			RED HAIR COAT	
			VENTRAL-ABDOMINAL	505
			YELLOW HAIR COAT	505
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491
			MASS(ES)	
			INGUINAL REGION-RIGHT	
			WEEK 72	498C, 505C
C91143	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 24
C91144	T	105	APPEARANCE	
			SWOLLEN	
			VENTRAL-ABDOMINAL	729, 731
			THIN	631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715 722

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91144	T	105	DISCHARGE	
			GENITAL	
			RED IN COLOR	729, 731
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624
C91145	2	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 54
C91146	M	75	APPEARANCE	
			HEAD TILT	
			LEFT	509, 512, 519
			MALOCCLUSION	253, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491 498, 505, 509, 512, 519
			EYES	
			RED DISCHARGE	
			EYE-LEFT	509, 512, 519
			EYES	519
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 260, 267, 274, 281, 288, 295 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91146	M	75	NORMAL	
			NO REMARKABLE OBSERVATIONS	393, 400, 407
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 71	491C, 498C, 505C, 509C, 512C, 519C
C91147	M	77	APPEARANCE	
			HEAD TILT	
			RIGHT	532-533, 535
			THIN	535
			BEHAVIOR	
			HYPOACTIVE	532-533
			SENSITIVE TO TOUCH	532-533
			EXCRETION	
			FEW FECES	532-533, 535
			EYES	
			RED DISCHARGE	
			EYES	535
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491 498, 505, 512, 519, 526

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER	GROUP: F1 DOSE: 0 PPM DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91147	M	77	MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 45	309, 316, 323
C91148	T	105	DISCHARGE	
			GENITAL	
			RED IN COLOR	568
			SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-LEFT	582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666 673, 680, 687, 694, 701, 708, 715, 722, 729-730
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 575
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 102	708C, 715C, 722C, 729-730C
			INGUINAL REGION-RIGHT	
			WEEK 98	680C, 687C, 694C, 701C, 708C, 715C, 722C, 729-730C
			VENTRAL-ABDOMINAL	
			WEEK 95	659, 666, 673, 680C, 687C, 694C, 701C, 708C, 715C, 722C 729-730C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 98	680C, 687C, 694C, 701C, 708C, 715C, 722C, 729-730C

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91149	M	88	APPEARANCE	
			THIN	610
			EYES	
			PALE	
			EYES	610
			SKIN & PELAGE	
			SORE/SCAB	
			AXILLARY REGION-LEFT	610
			LIMB-FRONT-LEFT	610
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 82	568C, 575C, 582C, 589C, 596C, 603C, 610C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 51	351C, 358C, 365C, 372C, 379C, 386C, 393C, 400C, 407C, 414C, 421C 428C, 435C, 442C, 449C, 456C, 463C, 470C, 477C, 484C, 491C, 498C 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C 582C, 589C, 596C, 603C, 610C

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91150	M	76	EYES	
			PALE	
			EYES	526
			RESPIRATION	
			LABORED	526
			SKIN & PELAGE	
			BLUE SKIN	
			VENTRAL-CERVICAL	498, 505, 512, 519, 526
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421
			MASS(ES)	
			VENTRAL-CERVICAL	
			WEEK 62	428C, 435C, 442C, 449C, 456C, 463C, 470C, 477C, 484C, 491C, 498C 505C, 512C, 519C, 526C
C91151	M	74	APPEARANCE	
			HEAD TILT	
			LEFT	512
			THIN	491, 498, 505, 512
			OTHER	498C
			EXCRETION	
			FEW FECES	484, 491, 498, 505, 512

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	SEX	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER	GROUP: F1 DOSE: 0 PPM DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)					
C91151	M		74	EYES	
				RED DISCHARGE	
				EYES	512
				HOUSING,FOOD,WATER & MAINT.	
				WATER BOTTLE PLACED ON CAGE	491
				NORMAL	
				NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 379, 386, 393, 400, 407, 414, 421, 428, 435 442, 449, 456, 463, 470, 477
				MASS(ES)	
				AXILLARY REGION-RIGHT	
				WEEK 47	323C, 330C, 337, 344, 351, 358, 365, 372
C91152	4		53	NORMAL	
				NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 367
C91153	M		81	SKIN & PELAGE	
				PALE	
				ENTIRE BODY	561
				SORE/SCAB	
				AXILLARY REGION-RIGHT	554, 561
				NORMAL	
				NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91153	M	81	NORMAL	
			NO REMARKABLE OBSERVATIONS	113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 60	414C, 421C, 428C, 435C, 442C, 449C, 456C, 463C, 470C, 477C, 484C 491C, 498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C
C91154	D	78	EXCRETION	
			NONFORMED FECES	204
			EYES	
			RED DISCHARGE	
			EYE-RIGHT	393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505, 512, 519, 526, 533, 540-541
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91155	3	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 94
C91156	M	75	APPEARANCE	
			MALOCCLUSION	169, 176, 225
			DISCHARGE	
			NASAL	
			RED IN COLOR	169
			EXCRETION	
			FEW FECES	519
			EYES	
			PALE	
			EYES	519
			SKIN & PELAGE	
			RED HAIR COAT	
			PERINEAL AREA	512, 519
			SORE/SCAB	
			PAW-HIND-RIGHT	463, 470, 477, 484, 491, 498, 505, 512, 519
			PAWS-HIND	519
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 183, 190, 197, 204, 211 218, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 428, 435, 442 449, 456

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91156	M	75	MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 56	386, 393, 400, 407, 414, 421
C91157	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 731
C91158	M	94	DISCHARGE	
			GENITAL	
			RED IN COLOR	400
			SKIN & PELAGE	
			SORE/SCAB	
			LIMBS-HIND	596, 603, 610
			PAWS-HIND	617, 624, 631, 638, 645, 652
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 407, 414, 421, 428, 435, 442, 449, 456, 463

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91158	M	94	MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 68	470C, 477C, 484C, 491C, 498C, 505C, 512C, 519C, 526C, 533C, 540C 547C, 554C, 561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C 624C, 631C, 638C, 645C, 652C
C91159	T	105	EYES	
			CLEAR DISCHARGE	
			EYE-LEFT	659, 666
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 85	589, 596, 603, 610, 617, 624, 631C, 638C, 645C, 652C, 659C, 666C 673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C, 729-730C
C91160	3	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 94

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91161	M	61	APPEARANCE	
			HEAD TILT	
			RIGHT	421
			THIN	414, 421
			EXCRETION	
			FEW FECES	400, 414, 421
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	393, 400, 407, 414, 421
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 183, 190, 197, 204, 211, 218, 225, 232, 239 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323, 330 337, 344, 351, 358, 365, 372, 379, 386
			WART LIKE LESION(S)	
			MOUTH	
			WEEK 21	141, 148, 155, 162, 169, 176
C91162	2	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 54

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91163	2	8	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 54
C91164	M	95	APPEARANCE	
			HUNCHED	659
			EXCRETION	
			FEW FECES	659
			EYES	
			RED DISCHARGE	
			EYES	652, 659
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	631, 638, 645, 652, 659
			YELLOW HAIR COAT	652, 659
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589
			MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 86	596, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91165	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 24
C91166	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 610, 617, 624, 631, 638, 645, 652, 659, 666 673, 680, 687, 694, 701, 708, 715, 722, 729, 731
			MASS(ES)	
			HEAD	
			WEEK 86	596, 603
C91167	D	103	APPEARANCE	
			LIMITED USE	
			PAW-HIND-LEFT	701, 708, 715, 717
			SWOLLEN	
			PAW-HIND-LEFT	463, 470, 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715, 717
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91167	D	103	MASS(ES)	
			DORSAL	
			WEEK 82	568, 575, 582, 589, 596, 603C, 610C, 617C, 624C, 631C, 638C 645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C 717C
C91168	M	84	APPEARANCE	
			HEAD TILT	
			RIGHT	588
			THIN	582, 588
			BEHAVIOR	
			SENSITIVE TO TOUCH	579, 582, 588
			EXCRETION	
			FEW FECES	582
			NO FECES	588
			SKIN & PELAGE	
			YELLOW HAIR COAT	579, 582, 588
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91169	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 24
C91170	M	89	APPEARANCE	
			HEAD TILT	
			RIGHT	603, 610, 617-618
			HUNCHED	617-618
			MALOCCLUSION	540, 547, 551, 554, 561, 568, 575, 582, 589, 596, 603, 610 617-618
			SWOLLEN	
			MOUTH	551, 554, 561
			THIN	603, 610, 617-618
			EXCRETION	
			FEW FECES	551, 554, 561, 596, 603, 610, 617-618
			SKIN & PELAGE	
			PALE	
			ENTIRE BODY	617-618
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 533
			MASS(ES)	
			MOUTH	
			WEEK 71	491, 498, 505, 512, 519, 526

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91171	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 24
C91172	T	105	APPEARANCE	
			MALOCCLUSION	141, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680 687, 694, 701, 708, 715, 722, 729-730
			MISSING	
			TEETH	659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729-730
			SKIN & PELAGE	
			SORE/SCAB	
			MOUTH	582
			PAWS-HIND	617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701 708, 715, 722, 729-730
			YELLOW HAIR COAT	512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596 603, 610, 617
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 87	603, 610

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91173	M	58	APPEARANCE	
			THIN	393, 400, 404
			BEHAVIOR	
			HYPOACTIVE	404
			DISCHARGE	
			NASAL	
			RED IN COLOR	393, 400, 404
			EYES	
			RED DISCHARGE	
			EYES	393, 404
			SQUINTED	
			PERI-ORBITAL	400, 404
			SKIN & PELAGE	
			YELLOW HAIR COAT	400, 404
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91174	3	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 94
C91175	M	86	APPEARANCE	
			HEAD TILT	
			LEFT	596, 600
			BEHAVIOR	
			ATAXIC	600
			EYES	
			RED DISCHARGE	
			EYE-LEFT	600
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 74	512, 519, 526, 533, 540, 547, 554, 561C, 568C, 575C, 582C, 589C 596C, 600C

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

CATEGORY GROUP: F1 DOSE: 0 PPM

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	KEYWORD / QUALIFIER	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91176	T	105	APPEARANCE	
			LIMITED USE	
			PAW-HIND-LEFT	701, 708, 715, 722, 729-730
			SWOLLEN	
			PAW-HIND-LEFT	674, 680, 687, 694, 701, 708, 715, 722, 729-730
			SKIN & PELAGE	
			SORE/SCAB	
			LIMB-HIND-RIGHT	589
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659 666, 673
C91177	M	94	APPEARANCE	
			THIN	582, 589, 596, 603, 610, 617, 624, 631, 638, 640, 645, 652
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER	GROUP: F1 DOSE: 0 PPM DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91177	M	94	MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 63	435C, 442C, 449C, 456C, 463C, 470C, 477C, 484C, 491C, 498C, 505C 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 640C, 645C, 652C
C91178	M	91	APPEARANCE	
			HEAD TILT	
			LEFT	631
			MALOCCLUSION	372, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631
			BEHAVIOR	
			ATAXIC	631
			HYPOACTIVE	631
			EXCRETION	
			FEW FECES	617, 624, 631
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 491, 498, 505, 512, 519 526, 533, 540, 547, 554, 561
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 65	449C, 456C, 463C, 470C, 477C, 484C
			AXILLARY REGION-RIGHT	
			WEEK 67	463, 470, 477, 484

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER	GROUP: F1 DOSE: 0 PPM DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91178	M	91	MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 90	624C, 631C
			WART LIKE LESION(S)	
			HEAD-MAXILLARY-LEFT	
			WEEK 89	617
C91179	M	47	APPEARANCE	
			THIN	324
			SKIN & PELAGE	
			COLD TO TOUCH	
			ENTIRE BODY	323
			PALE	
			ENTIRE BODY	323-324
			SORE/SCAB	
			VENTRAL-CERVICAL	323-324
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 38	260, 267, 274C, 281C, 288C, 295C, 302C, 309C, 316C, 323-324C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 36	246C, 253C, 260C, 267C, 274C, 281C, 288C, 295C, 302C, 309C, 316C 323-324C

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91180	D	64	SKIN & PELAGE	
			SORE/SCAB	
			DORSAL-CERVICAL-LEFT	15, 22
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113, 120 127, 134, 141, 148, 155, 162, 190, 197, 204, 211
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 26	176, 183
			AXILLARY REGION-RIGHT	
			WEEK 38	260, 267, 274, 281, 288
			LIMB-HIND-LEFT	
			WEEK 25	169
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 32	218C, 225C, 232C, 239C, 246C, 253C, 260C, 267C, 274C, 281C, 288C 295C, 302C, 309C, 316C, 323C, 330C, 337C, 344C, 351C, 358C, 365C 372C, 379C, 386C, 393C, 400C, 407C, 414C, 421C, 428C, 435C, 442C 446C
C91181	3	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 94
C91182	M	88	APPEARANCE	
			THIN	589, 596, 603, 610
			BEHAVIOR	
			HYPOACTIVE	440, 610
			EXCRETION	
			FEW FECES	440, 589, 596, 603, 610

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91182	M	88	EYES	
			RED DISCHARGE	
			EYES	440, 561, 568, 575, 582, 589, 596, 603, 610
			RESPIRATION	
			LABORED	440
			SKIN & PELAGE	
			YELLOW HAIR COAT	582, 589, 596, 603, 610
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554
			MASS(ES)	
			INGUINAL REGION-LEFT	
			WEEK 87	603C, 610C
C91183	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687 694, 701, 708, 715, 722, 729-730

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91183	T	105	MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 58	400, 407, 414, 421, 428
C91184	M	90	APPEARANCE	
			SWOLLEN	
			VENTRAL-ABDOMINAL	512, 519, 526, 533, 540, 547, 554, 561, 568, 575
			BEHAVIOR	
			RECUMBENT	
			STERNAL	629
			EXCRETION	
			FEW FECES	617, 624
			NO FECES	629
			EYES	
			RED DISCHARGE	
			EYES	629
			RESPIRATION	
			LABORED	629
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	456, 463, 470, 477, 484
			SORE/SCAB	
			PAW-HIND-LEFT	582, 589, 596, 603, 610, 617, 624, 629
			YELLOW HAIR COAT	624, 629
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER	GROUP: F1 DOSE: 0 PPM DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91184	M	90	NORMAL	
			NO REMARKABLE OBSERVATIONS	113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 491, 498, 505
C91185	M	67	APPEARANCE	
			HUNCHED	442, 449, 456, 463-464
			THIN	449, 456, 463-464
			EXCRETION	
			FEW FECES	464
			EYES	
			RED DISCHARGE	
			EYES	442, 449, 456, 463-464
			SKIN & PELAGE	
			PALE	
			ENTIRE BODY	456, 463-464
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91186	M	98	APPEARANCE	
			THIN	631, 638, 645, 652, 659, 666, 673, 680
			SKIN & PELAGE	
			PALE	
			ENTIRE BODY	680
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519
			MASS(ES)	
			INGUINAL REGION-LEFT	
			WEEK 76	526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C, 596C 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C, 673C 680C
C91187	M	73	APPEARANCE	
			HEAD TILT	
			LEFT	508-509
			HUNCHED	491, 498, 501, 505, 508-509
			MALOCCLUSION	435, 442, 449, 463
			THIN	491, 498, 501, 505, 508-509
			BEHAVIOR	
			ATAXIC	508-509
			HYPOACTIVE	509

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91187	M	73	EXCRETION	
			FEW FECES	498, 501, 505, 508
			NO FECES	509
			NONFORMED FECES	197, 491
			EYES	
			RED DISCHARGE	
			EYE-RIGHT	508-509
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 204 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 456, 470, 477, 484
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 71	491C, 498C, 501C, 505C, 508-509C
C91188	T	105	APPEARANCE	
			SWOLLEN	
			INGUINAL REGION-LEFT	631, 638, 645, 652
			INGUINAL REGION-RIGHT	631, 638, 645, 652
			SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-RIGHT	582, 589, 596, 603, 610
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91188	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 74	512, 519, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C, 729C, 731C
			VENTRAL-CERVICAL-LEFT	
			WEEK 88	610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C, 673C, 680C 687C, 694C, 701C, 708C, 715C, 722C, 729C, 731C
			VENTRAL-THORACIC-LEFT	
			WEEK 101	701C, 708C, 715C, 722C, 729C, 731C
C91189	M	93	EXCRETION	
			FEW FECES	645
			SKIN & PELAGE	
			SORE/SCAB	
			AXILLARY REGION-RIGHT	645
			LIMBS-HIND	603, 610, 617, 624, 631, 638, 645
			PAW-HIND-LEFT	554, 561, 568, 575, 582, 589, 596
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91189	M	93	NORMAL	
			NO REMARKABLE OBSERVATIONS	477, 484, 491, 498, 505, 512, 519
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 88	610C, 617C, 624C, 631C, 638C, 645C
			INGUINAL REGION-RIGHT	
			WEEK 76	526, 533, 540, 547C, 554C, 561C, 568, 575, 582, 589, 596
C91190	T	105	APPEARANCE	
			MALOCCLUSION	589, 596, 603, 610, 645, 652, 659, 666, 673, 680, 687, 694, 701 708, 715, 722, 729, 731
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 617, 624, 631, 638
			MASS(ES)	
			VENTRAL-CERVICAL	
			WEEK 100	694C, 701C, 708C, 715C, 722C, 729C, 731C

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91123	F1	589	85	MASS(ES) AXILLARY REGION-RIGHT WEEK 85	20 X 20MM
		596	86	MASS(ES) AXILLARY REGION-RIGHT WEEK 85	30 X 25MM
		603	87	MASS(ES) AXILLARY REGION-RIGHT WEEK 85	35 X 30MM
		610 TO 645	88 93	MASS(ES) AXILLARY REGION-RIGHT WEEK 85	35 X 40MM
		652 TO 666	94 96	MASS(ES) AXILLARY REGION-RIGHT WEEK 85	40 X 50MM
		673 TO 683	97 98	MASS(ES) AXILLARY REGION-RIGHT WEEK 85	50 X 60MM
		652	94	MASS(ES) INGUINAL REGION-RIGHT WEEK 94	15 X 15MM
		659	95	MASS(ES) INGUINAL REGION-RIGHT WEEK 94	20 X 30MM

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91123	F1	666	96	MASS(ES) INGUINAL REGION-RIGHT WEEK 94	30 X 30MM
		673	97	MASS(ES)	40 X 40MM
		TO 683	98	INGUINAL REGION-RIGHT WEEK 94	
C91125	F1	603	87	MASS(ES)	35 X 35MM
		TO 624	90	INGUINAL REGION-RIGHT WEEK 87	
		631	91	MASS(ES)	45 X 35MM
		TO 645	93	INGUINAL REGION-RIGHT WEEK 87	
		652	94	MASS(ES) INGUINAL REGION-RIGHT WEEK 87	80 X 40MM
		659	95	MASS(ES)	60 X 40MM
		TO 666	96	INGUINAL REGION-RIGHT WEEK 87	
		671	96	MASS(ES)	70 X 55MM
		TO 671	96	INGUINAL REGION-RIGHT WEEK 87	
C91127	F1	659	95	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 91	25 X 30MM

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91127	F1	666	96	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 91	30 X 30MM
		673 TO 701	97 101	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 91	40 X 40MM
		708 TO 730	102 105	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 91	60 X 50MM
C91132	F1	470 TO 484	68 70	MASS(ES) INGUINAL REGION-LEFT WEEK 64	15 X 15MM
		491	71	MASS(ES) INGUINAL REGION-LEFT WEEK 64	30 X 30MM
		498 TO 561	72 81	MASS(ES) INGUINAL REGION-LEFT WEEK 64	70 X 50MM
		568 TO 582	82 84	MASS(ES) INGUINAL REGION-LEFT WEEK 64	80 X 65MM
		589	85	MASS(ES) INGUINAL REGION-LEFT WEEK 64	90 X 80MM

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91132	F1	596	86	MASS(ES) INGUINAL REGION-LEFT WEEK 64	100 X 90MM
		603	87	MASS(ES) INGUINAL REGION-LEFT WEEK 64	110 X 90MM
		610	88	MASS(ES) INGUINAL REGION-LEFT WEEK 64	110 X 120MM
		617 TO 618	89 89	MASS(ES) INGUINAL REGION-LEFT WEEK 64	80 X 90MM
C91134	F1	442 TO 491	64 71	MASS(ES) AXILLARY REGION-LEFT WEEK 59	10 X 10MM
		351 TO 407	51 59	MASS(ES) VENTRAL-ABDOMINAL WEEK 51	10 X 10MM
		414 TO 421	60 61	MASS(ES) VENTRAL-ABDOMINAL WEEK 51	20 X 20MM
		428 TO 442	62 64	MASS(ES) VENTRAL-ABDOMINAL WEEK 51	30 X 30MM

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91134	F1	449	65	MASS(ES)	35 X 40MM
	TO	463	67	VENTRAL-ABDOMINAL	
				WEEK 51	
		470	68	MASS(ES)	60 X 40MM
	TO	519	75	VENTRAL-ABDOMINAL	
				WEEK 51	
C91138	F1	687	99	MASS(ES)	50 X 40MM
	TO	694	100	AXILLARY REGION-LEFT	
				WEEK 99	
		701	101	MASS(ES)	60 X 50MM
				AXILLARY REGION-LEFT	
				WEEK 99	
		708	102	MASS(ES)	50 X 70MM
	TO	732	105	AXILLARY REGION-LEFT	
				WEEK 99	
C91141	F1	491	71	MASS(ES)	15 X 15MM
	TO	519	75	LIMB-HIND-RIGHT	
				WEEK 71	
		526	76	MASS(ES)	20 X 30MM
	TO	558	80	LIMB-HIND-RIGHT	
				WEEK 71	
C91142	F1	498	72	MASS(ES)	15 X 15MM
	TO	505	73	INGUINAL REGION-RIGHT	
				WEEK 72	

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91146	F1	491	71	MASS(ES)	10 X 15MM
	TO	519	75	AXILLARY REGION-RIGHT	
				WEEK 71	
C91148	F1	708	102	MASS(ES)	50 X 45MM
	TO	730	105	AXILLARY REGION-RIGHT	
				WEEK 102	
		680	98	MASS(ES)	40 X 30MM
	TO	687	99	INGUINAL REGION-RIGHT	
				WEEK 98	
		694	100	MASS(ES)	40 X 50MM
	TO	730	105	INGUINAL REGION-RIGHT	
				WEEK 98	
		680	98	MASS(ES)	20 X 20MM
	TO	701	101	VENTRAL-ABDOMINAL	
				WEEK 95	
		708	102	MASS(ES)	20 X 20MM
	TO	730	105	VENTRAL-ABDOMINAL	
				WEEK 95	
		680	98	MASS(ES)	20 X 20MM
	TO	701	101	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 98	
		708	102	MASS(ES)	30 X 25MM
	TO	730	105	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 98	

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91149	F1	568	82	MASS(ES)	20 X 20MM
	TO	582	84	AXILLARY REGION-LEFT	
				WEEK 82	
		589	85	MASS(ES)	25 X 25MM
				AXILLARY REGION-LEFT	
				WEEK 82	
		596	86	MASS(ES)	35 X 30MM
	TO	610	88	AXILLARY REGION-LEFT	
				WEEK 82	
		351	51	MASS(ES)	20 X 10MM
	TO	365	53	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 51	
		372	54	MASS(ES)	30 X 20MM
				VENTRAL-ABDOMINAL-RIGHT	
				WEEK 51	
		379	55	MASS(ES)	35 X 25MM
	TO	386	56	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 51	
		393	57	MASS(ES)	35 X 30MM
	TO	407	59	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 51	
		414	60	MASS(ES)	40X35MM
	TO	421	61	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 51	

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91149	F1	428	62	MASS(ES)	40 X 40MM
	TO	435	63	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 51	
		442	64	MASS(ES)	45 X 40MM
	TO	561	81	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 51	
		568	82	MASS(ES)	50 X 50MM
	TO	596	86	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 51	
		603	87	MASS(ES)	50 X 55MM
	TO	610	88	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 51	
C91150	F1	428	62	MASS(ES)	30 X 30MM
	TO	435	63	VENTRAL-CERVICAL	
				WEEK 62	
		442	64	MASS(ES)	35 X 35MM
				VENTRAL-CERVICAL	
				WEEK 62	
		449	65	MASS(ES)	40 X 40MM
	TO	463	67	VENTRAL-CERVICAL	
				WEEK 62	
		470	68	MASS(ES)	45 X 45MM
	TO	491	71	VENTRAL-CERVICAL	
				WEEK 62	

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91150	F1	498	72	MASS(ES)	45 X 60MM
	TO	526	76	VENTRAL-CERVICAL	
				WEEK 62	
C91151	F1	498	72	APPEARANCE	GENITAL DISCHARGE, GREEN
				OTHER	
		323	47	MASS(ES)	10 X 10MM
	TO	330	48	AXILLARY REGION-RIGHT	
				WEEK 47	
C91153	F1	414	60	MASS(ES)	10 X 10MM
	TO	484	70	AXILLARY REGION-RIGHT	
				WEEK 60	
		491	71	MASS(ES)	20 X 20MM
	TO	533	77	AXILLARY REGION-RIGHT	
				WEEK 60	
		540	78	MASS(ES)	40 X 25MM
	TO	561	81	AXILLARY REGION-RIGHT	
				WEEK 60	
C91158	F1	470	68	MASS(ES)	10 X 10MM
	TO	484	70	AXILLARY REGION-RIGHT	
				WEEK 68	
		491	71	MASS(ES)	20 X 20MM
	TO	533	77	AXILLARY REGION-RIGHT	
				WEEK 68	

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91158	F1	540	78	MASS(ES)	35 X 30MM
	TO	561	81	AXILLARY REGION-RIGHT	
				WEEK 68	
		568	82	MASS(ES)	45 X 50MM
	TO	582	84	AXILLARY REGION-RIGHT	
				WEEK 68	
		589	85	MASS(ES)	50 X 55MM
				AXILLARY REGION-RIGHT	
				WEEK 68	
		596	86	MASS(ES)	60 X 55MM
				AXILLARY REGION-RIGHT	
				WEEK 68	
		603	87	MASS(ES)	65 X 60MM
				AXILLARY REGION-RIGHT	
				WEEK 68	
		610	88	MASS(ES)	90 X 75MM
	TO	624	90	AXILLARY REGION-RIGHT	
				WEEK 68	
		631	91	MASS(ES)	100 X 80MM
	TO	645	93	AXILLARY REGION-RIGHT	
				WEEK 68	
		652	94	MASS(ES)	110 X 90MM
	TO	652	94	AXILLARY REGION-RIGHT	
				WEEK 68	

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91158	F1	652	94	MASS(ES) AXILLARY REGION-RIGHT WEEK 68	110 X 90MM
C91159	F1	631	91	MASS(ES) AXILLARY REGION-LEFT WEEK 85	10 X 10MM
	TO	652	94		
		659	95	MASS(ES) AXILLARY REGION-LEFT WEEK 85	15 X 15MM
	TO	701	101		
		708	102	MASS(ES) AXILLARY REGION-LEFT WEEK 85	20 X 20MM
	TO	730	105		
C91164	F1	603	87	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 86	20 X 20MM
		610	88	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 86	20 X 25MM
	TO	659	95		
C91167	F1	603	87	MASS(ES) DORSAL WEEK 82	15 X 20MM
		610	88	MASS(ES) DORSAL WEEK 82	20 X 20MM

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91167	F1	617	89	MASS(ES) DORSAL WEEK 82	20 X 20MM
		624	90	MASS(ES) DORSAL WEEK 82	20 X 20MM
		631	91	MASS(ES) DORSAL WEEK 82	20 X 20MM
		638	92	MASS(ES) DORSAL WEEK 82	20 X 20MM
		645	93	MASS(ES) DORSAL WEEK 82	20 X 20MM
		652	94	MASS(ES) DORSAL WEEK 82	20 X 30MM
		659	95	MASS(ES) DORSAL WEEK 82	20 X 30MM
		666	96	MASS(ES) DORSAL WEEK 82	20 X 30MM

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91167	F1	673	97	MASS(ES) DORSAL WEEK 82	20 X 30MM
		680	98	MASS(ES) DORSAL WEEK 82	35 X 45MM
		687	99	MASS(ES) DORSAL WEEK 82	40 X 45MM
		694	100	MASS(ES) DORSAL WEEK 82	40 X 45MM
		701	101	MASS(ES) DORSAL WEEK 82	40 X 45MM
		708	102	MASS(ES) DORSAL WEEK 82	40 X 45MM
		715	103	MASS(ES) DORSAL WEEK 82	40 X 45MM
		717	103	MASS(ES) DORSAL WEEK 82	40 X 45MM

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91175	F1	561	81	MASS(ES)	35 X 30MM
	TO	582	84	AXILLARY REGION-LEFT	
				WEEK 74	
		589	85	MASS(ES)	45 X 40MM
				AXILLARY REGION-LEFT	
				WEEK 74	
		596	86	MASS(ES)	50 X 45MM
	TO	600	86	AXILLARY REGION-LEFT	
				WEEK 74	
C91177	F1	435	63	MASS(ES)	30MM X 40MM
				AXILLARY REGION-LEFT	
				WEEK 63	
		442	64	MASS(ES)	50 X 45MM
				AXILLARY REGION-LEFT	
				WEEK 63	
		449	65	MASS(ES)	60 X 65MM
	TO	463	67	AXILLARY REGION-LEFT	
				WEEK 63	
		470	68	MASS(ES)	65 X 70MM
	TO	491	71	AXILLARY REGION-LEFT	
				WEEK 63	
		498	72	MASS(ES)	80 X 70MM
	TO	519	75	AXILLARY REGION-LEFT	
				WEEK 63	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91177	F1	526	76	MASS(ES)	90 X 70MM
	TO	540	78	AXILLARY REGION-LEFT	
				WEEK 63	
		547	79	MASS(ES)	90 X 80MM
	TO	561	81	AXILLARY REGION-LEFT	
				WEEK 63	
		568	82	MASS(ES)	90 X 100MM
	TO	589	85	AXILLARY REGION-LEFT	
				WEEK 63	
		596	86	MASS(ES)	100 X 110MM
	TO	603	87	AXILLARY REGION-LEFT	
				WEEK 63	
		610	88	MASS(ES)	130 X 110MM
	TO	652	94	AXILLARY REGION-LEFT	
				WEEK 63	
C91178	F1	449	65	MASS(ES)	10 X 10MM
	TO	484	70	AXILLARY REGION-LEFT	
				WEEK 65	
		624	90	MASS(ES)	10 X 10MM
	TO	631	91	VENTRAL-ABDOMINAL	
				WEEK 90	
C91179	F1	274	40	MASS(ES)	10 X 10MM
	TO	288	42	AXILLARY REGION-RIGHT	
				WEEK 38	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91179	F1	295	43	MASS(ES) AXILLARY REGION-RIGHT WEEK 38	20 X 20MM
		302	44	MASS(ES) AXILLARY REGION-RIGHT WEEK 38	30 X 30MM
		309	45	MASS(ES) AXILLARY REGION-RIGHT WEEK 38	45 X 55MM
		316	46	MASS(ES) AXILLARY REGION-RIGHT WEEK 38	65 X 60MM
		323 TO 324	47 47	MASS(ES) AXILLARY REGION-RIGHT WEEK 38	80 X 65MM
		246 TO 267	36 39	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 36	25 X 20MM
		274 TO 295	40 43	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 36	30 X 25MM
		302 TO 309	44 45	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 36	50 X 40MM

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91179	F1	316	46	MASS(ES)	65 X 50MM
	TO	324	47	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 36	
C91180	F1	218	32	MASS(ES)	15 X 15MM
				VENTRAL-ABDOMINAL-RIGHT	
				WEEK 32	
		225	33	MASS(ES)	20 X 30MM
				VENTRAL-ABDOMINAL-RIGHT	
				WEEK 32	
		232	34	MASS(ES)	30 X 30MM
	TO	239	35	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 32	
		246	36	MASS(ES)	45 X 40MM
				VENTRAL-ABDOMINAL-RIGHT	
				WEEK 32	
		253	37	MASS(ES)	50 X 55MM
	TO	260	38	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 32	
		267	39	MASS(ES)	60 X 55MM
				VENTRAL-ABDOMINAL-RIGHT	
				WEEK 32	
		274	40	MASS(ES)	70 X 65MM
	TO	302	44	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 32	

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91180	F1	309	45	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 32	80 X 80MM
		316	46	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 32	90 X 80MM
		323	47	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 32	110 X 90MM
		330 TO 344	48 50	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 32	110 X 95MM
		351 TO 421	51 61	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 32	130 X 110MM
		428 TO 435	62 63	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 32	145 X 115MM
		442 TO 446	64 64	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 32	150 X 120MM
C91182	F1	603 TO 610	87 88	MASS(ES) INGUINAL REGION-LEFT WEEK 87	10 X 15MM

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91186	F1	526	76	MASS(ES)	20 X 20MM
	TO	561	81	INGUINAL REGION-LEFT	
				WEEK 76	
		568	82	MASS(ES)	30 X 30MM
	TO	575	83	INGUINAL REGION-LEFT	
				WEEK 76	
		582	84	MASS(ES)	50 X 40MM
	TO	589	85	INGUINAL REGION-LEFT	
				WEEK 76	
		596	86	MASS(ES)	60 X 55MM
				INGUINAL REGION-LEFT	
				WEEK 76	
		603	87	MASS(ES)	80 X 60MM
				INGUINAL REGION-LEFT	
				WEEK 76	
		610	88	MASS(ES)	80 X 75MM
	TO	652	94	INGUINAL REGION-LEFT	
				WEEK 76	
		659	95	MASS(ES)	80 X 80MM
	TO	673	97	INGUINAL REGION-LEFT	
				WEEK 76	
		680	98	MASS(ES)	90 X 80MM
	TO	680	98	INGUINAL REGION-LEFT	
				WEEK 76	

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91186	F1	680	98	MASS(ES) INGUINAL REGION-LEFT WEEK 76	90 X 80MM
C91187	F1	491	71	MASS(ES) AXILLARY REGION-LEFT WEEK 71	15 X 15MM
	TO	501	72		
		505	73	MASS(ES) AXILLARY REGION-LEFT WEEK 71	20 X 20MM
		508	73	MASS(ES) AXILLARY REGION-LEFT WEEK 71	25 X 25MM
	TO	509	73		
C91188	F1	526	76	MASS(ES) AXILLARY REGION-LEFT WEEK 74	20 X 15MM
	TO	561	81		
		568	82	MASS(ES) AXILLARY REGION-LEFT WEEK 74	20 X 20MM
		575	83	MASS(ES) AXILLARY REGION-LEFT WEEK 74	30 X 30MM
	TO	589	85		
		596	86	MASS(ES) AXILLARY REGION-LEFT WEEK 74	35 X 35MM

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91188	F1	603	87	MASS(ES)	40 X 40MM
	TO	638	92	AXILLARY REGION-LEFT	
				WEEK 74	
		645	93	MASS(ES)	45 X 45MM
	TO	652	94	AXILLARY REGION-LEFT	
				WEEK 74	
		659	95	MASS(ES)	45 X 55MM
	TO	666	96	AXILLARY REGION-LEFT	
				WEEK 74	
		673	97	MASS(ES)	60 X 55MM
	TO	680	98	AXILLARY REGION-LEFT	
				WEEK 74	
		687	99	MASS(ES)	70 X 55MM
	TO	701	101	AXILLARY REGION-LEFT	
				WEEK 74	
		708	102	MASS(ES)	30 X 30MM
	TO	722	104	AXILLARY REGION-LEFT	
				WEEK 74	
		729	105	MASS(ES)	10 X 10MM
				AXILLARY REGION-LEFT	
				WEEK 74	
		731	105	MASS(ES)	10 X 10MM
				AXILLARY REGION-LEFT	
				WEEK 74	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91188	F1	610	88	MASS(ES)	30 X 30MM
	TO	638	92	VENTRAL-CERVICAL-LEFT	
				WEEK 88	
		645	93	MASS(ES)	45 X 45MM
	TO	666	96	VENTRAL-CERVICAL-LEFT	
				WEEK 88	
		673	97	MASS(ES)	45 X 60MM
	TO	701	101	VENTRAL-CERVICAL-LEFT	
				WEEK 88	
		708	102	MASS(ES)	65 X 70MM
	TO	731	105	VENTRAL-CERVICAL-LEFT	
				WEEK 88	
		701	101	MASS(ES)	10 X 10MM
				VENTRAL-THORACIC-LEFT	
				WEEK 101	
		708	102	MASS(ES)	60 X 55MM
	TO	731	105	VENTRAL-THORACIC-LEFT	
				WEEK 101	
C91189	F1	610	88	MASS(ES)	20 X 20MM
				AXILLARY REGION-RIGHT	
				WEEK 88	
		617	89	MASS(ES)	30 X 30MM
	TO	645	93	AXILLARY REGION-RIGHT	
				WEEK 88	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91189	F1	547	79	MASS(ES)	15 X 15MM
	TO	561	81	INGUINAL REGION-RIGHT	
				WEEK 76	
C91190	F1	694	100	MASS(ES)	25 X 25MM
	TO	701	101	VENTRAL-CERVICAL	
				WEEK 100	
		708	102	MASS(ES)	50 X 45MM
	TO	731	105	VENTRAL-CERVICAL	
				WEEK 100	

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91191	D	98	APPEARANCE	
			MALOCCLUSION	337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680
			SWOLLEN	
			LIMB-HIND-LEFT	596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680
			MOUTH	582
			PAW-FRONT-LEFT	435, 442, 449
			PAW-HIND-RIGHT	407, 414, 421, 428
			SKIN & PELAGE	
			PALE	
			ENTIRE BODY	344, 351, 358
			SORE/SCAB	
			PAW-HIND-LEFT	582, 589, 596, 603, 610
			PAWS-HIND	617, 624, 631, 638, 645, 652, 659, 666, 673, 680
			VENTRAL-CERVICAL	29
			VENTRAL-CERVICAL-LEFT	274, 281, 288, 295, 302, 309, 316, 323, 330, 337
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204 211, 218, 225, 232, 239, 246, 253, 260, 267
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 92	638C, 645C, 652C, 659C, 666C, 673C, 680C
			INGUINAL REGION-RIGHT	
			WEEK 76	526C, 533C
			WEEK 83	575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C 652C, 659C, 666C, 673C, 680C

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91191	D	98	MASS(ES)	
			MOUTH	
			WEEK 85	589
C91192	3	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 94
C91193	M	91	APPEARANCE	
			HEAD TILT	
			RIGHT	629
			BEHAVIOR	
			CIRCLING	
			RIGHT	629, 631
			DISCHARGE	
			NASAL	
			RED IN COLOR	631
			EXCRETION	
			FEW FECES	617, 624, 631
			NO FECES	629
			RESPIRATION	
			IRREGULAR	629
			SKIN & PELAGE	
			RED HAIR COAT	
			PERINEAL AREA	631
			SORE/SCAB	
			DORSAL-CERVICAL	526, 533, 540, 547, 554, 561
			PAW-HIND-RIGHT	568, 575, 582, 589, 596, 603, 610, 617, 624, 629, 631

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91193	M	91	SKIN & PELAGE	
			SORE/SCAB	
			PAWS-FRONT	29, 36, 43, 50, 57, 64
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 71, 78, 85, 92, 99, 106, 113, 120, 127, 134, 141 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505 512, 519
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 85	589, 596C, 603C, 610C, 617C, 624C, 629C, 631C
C91194	M	104	APPEARANCE	
			MALOCCLUSION	393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 673 680, 687, 694, 701-702, 708, 715, 722, 728
			THIN	673, 680, 687, 694, 701-702, 708, 715, 722, 728
			BEHAVIOR	
			RECUMBENT	
			STERNAL	728
			EXCRETION	
			FEW FECES	702, 708, 715, 722, 728

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91194	M	104	EYES	
			RED DISCHARGE	
			EYE-LEFT	204
			RESPIRATION	
			LABORED	728
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 71	491C, 498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C 645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701-702C, 708C 715C, 722C, 728C
C91195	M	100	APPEARANCE	
			HEAD TILT	
			RIGHT	659, 666, 673, 676, 680, 683, 687, 691, 694
			THIN	673, 676, 680, 683, 687, 691, 694
			BEHAVIOR	
			HYPOACTIVE	691, 694
			EXCRETION	
			FEW FECES	673, 676, 680, 683, 687, 691, 694

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91195	M	100	EYES	
			RED DISCHARGE	
			EYE-RIGHT	610, 617
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 87	603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C, 673C 676C, 680C, 683C, 687C, 691C, 694C
C91196	M	83	APPEARANCE	
			THIN	579
			BEHAVIOR	
			ATAXIC	579
			HYPOACTIVE	579
			EXCRETION	
			FEW FECES	565, 575
			NO FECES	568, 579
			EYES	
			PALE	
			EYES	565, 568

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER	GROUP: F2 DOSE: 3 PPM DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91196	M	83	EYES	
			RED DISCHARGE	
			EYES	575, 579
			SKIN & PELAGE	
			BROWN HAIR COAT	
			VENTRAL-ABDOMINAL	565, 568, 575, 579
			PALE	
			EARS	579
			RED HAIR COAT	
			HEAD-ENTIRE	565, 568, 575, 579
			SORE/SCAB	
			PAW-HIND-LEFT	579
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547
			MASS(ES)	
			INGUINAL REGION-RIGHT	
			WEEK 80	554C, 561C, 565C, 568C, 575C, 579C

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91197	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729-730
C91198	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 24
C91199	M	97	APPEARANCE	
			HEAD TILT	
			RIGHT	673
			BEHAVIOR	
			ATAXIC	673
			CIRCLING	
			LEFT	673
			EXCRETION	
			FEW FECES	652, 659, 666, 673
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	652
			YELLOW HAIR COAT	652, 659, 666, 673
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91199	M	97	NORMAL	
			NO REMARKABLE OBSERVATIONS	113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645
C91200	M	87	BEHAVIOR	
			SENSITIVE TO TOUCH	568, 575, 582, 589, 596, 603, 607
			SKIN & PELAGE	
			SORE/SCAB	
			HEAD-CRANIAL	603, 607
			SHOULDER-RIGHT	29
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561
			MASS(ES)	
			HEAD	
			WEEK 82	568, 575C, 582C, 589C, 596C, 603C, 607C

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91201	T	105	EYES	
			RED DISCHARGE	
			EYES	715, 722, 729-730
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	673, 680, 687, 694, 701, 708, 715, 722
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 386, 393, 400, 407, 414, 421, 428 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 74	512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582C, 589C 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C 673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C, 729-730C
			INGUINAL REGION-RIGHT	
			WEEK 97	673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C, 729-730C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 49	337C, 344C, 351C, 358, 365, 372, 379
			WEEK 105	729-730C
			WART LIKE LESION(S)	
			MOUTH	
			WEEK 52	358, 365

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91202	M	85	SKIN & PELAGE	
			BLACK SKIN	
			VENTRAL-THORACIC-RIGHT	582, 589-590
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 76	526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C, 589-590C
			INGUINAL REGION-LEFT	
			WEEK 84	582C, 589-590C
			VENTRAL-THORACIC-RIGHT	
			WEEK 84	582C, 589-590C
C91203	M	76	BEHAVIOR	
			RECUMBENT	
			LATERAL	532
			DISCHARGE	
			NASAL	
			RED IN COLOR	526
			EXCRETION	
			FEW FECES	526

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91203	M	76	EYES	
			SQUINTED	
			PERI-ORBITAL	526, 532
			RESPIRATION	
			IRREGULAR	532
			SKIN & PELAGE	
			PALE	
			ENTIRE BODY	532
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 60	414, 421, 428, 435, 442, 449C, 456C, 463, 470C, 477C, 484C, 491C 498C, 505C, 512C, 519C, 526C, 532C
C91204	D	61	SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL-RIGHT	358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 426
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91204	D	61	MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 35	239C, 246C, 253C, 260C, 267C, 274C, 281C, 288C, 295C, 302C, 309C 316C, 323C, 330C, 337C, 344C, 351C, 358C, 365C, 372C, 379C, 386C 393C, 400C, 407C, 414C, 421C, 426C
C91205	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 24
C91206	M	75	APPEARANCE	
			MALOCCLUSION	491, 498, 505, 512-513, 519
			BEHAVIOR	
			HYPOACTIVE	512-513, 519
			EYES	
			PALE	
			EYES	519
			RESPIRATION	
			AUDIBLE	489, 491
			SKIN & PELAGE	
			BROWN HAIR COAT	
			PERINEAL AREA	513, 519
			RED HAIR COAT	
			HEAD-ENTIRE	489, 491, 498, 505, 512
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91206	M	75	NORMAL	
			NO REMARKABLE OBSERVATIONS	295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484
C91207	T	105	APPEARANCE	
			MALOCCLUSION	393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 731
			DISCHARGE	
			NASAL	
			RED IN COLOR	386
			EYES	
			RED DISCHARGE	
			EYES	386
			SKIN & PELAGE	
			PALE	
			ENTIRE BODY	617
			YELLOW HAIR COAT	645
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91208	M	75	APPEARANCE	
			HUNCHED	518-519
			THIN	498, 505, 512, 518-519
			EXCRETION	
			FEW FECES	519
			NO FECES	518-519
			EYES	
			RED DISCHARGE	
			EYE-LEFT	470, 477
			EYES	518-519
			SKIN & PELAGE	
			YELLOW HAIR COAT	518-519
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 484 491
C91209	D	75	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519-520

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91210	M	75	BEHAVIOR	
			HYPOACTIVE	523
			EYES	
			RED DISCHARGE	
			EYES	523
			SKIN & PELAGE	
			COLD TO TOUCH	
			ENTIRE BODY	523
			RED HAIR COAT	
			HEAD-CRANIAL	512, 519, 523
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 372, 379, 386, 393, 400 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491 498, 505
			MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 51	351C, 358C, 365C

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91211	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589
			MASS(ES)	
			INGUINAL REGION-LEFT	
			WEEK 86	596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C 673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C, 729C, 731C
C91212	D	67	APPEARANCE	
			HEAD TILT	
			RIGHT	456, 463, 467
			THIN	449, 456, 463, 467
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330
			MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 49	337, 344, 351C, 358C, 365C, 372C, 379C, 386C, 393C, 407C, 414C 421C, 428C, 435C, 442C, 449C, 456C, 463C, 467C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 49	400C

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91213	M	77	APPEARANCE	
			HEAD TILT	
			RIGHT	535
			THIN	535
			EXCRETION	
			FEW FECES	519, 526, 529, 533, 535
			EYES	
			RED DISCHARGE	
			EYES	529, 533, 535
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	519, 526, 529, 533, 535
			YELLOW HAIR COAT	529, 533, 535
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91214	M	99	APPEARANCE	
			MALOCCLUSION	589, 596, 603, 610
			THIN	659, 666, 673, 680, 683, 687
			EYES	
			RED DISCHARGE	
			EYE-LEFT	337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603 638, 642, 645, 652, 659, 666, 673, 680, 683, 687
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330
			MASS(ES)	
			INGUINAL REGION-LEFT	
			WEEK 75	519C, 526C, 533C, 540C, 547C, 554C, 561C
			WEEK 84	582C, 589C, 596C, 603C, 610C
			INGUINAL REGION-RIGHT	
			WEEK 84	582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 642C, 645C 652C, 659C, 666C, 673C, 680C, 683C, 687C
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 64	442C, 449C, 456C, 463C, 470C, 477C, 484C, 491C, 498C, 505C, 512C 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C 596C, 603C, 610C, 617C, 624C, 631C, 638C, 642C, 645C, 652C, 659C 666C, 673C, 680C, 683C, 687C
			WEEK 75	526C
			VENTRAL-CERVICAL	
			WEEK 64	442C, 449C, 456C, 463C, 470C, 477C, 484C, 491C, 498C, 505C, 512C

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91214	M	99	MASS(ES)	
			VENTRAL-CERVICAL	
			WEEK 64	519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C 596C, 603C, 610C, 617C, 624C, 631C, 638C, 642C, 645C, 652C
			WEEK 95	659C, 666C, 673C, 680C, 683C, 687C
C91215	D	54	APPEARANCE	
			MALOCCLUSION	372, 378
			SKIN & PELAGE	
			COLD TO TOUCH	
			LIMBS-HIND	372, 378
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365
C91216	T	105	APPEARANCE	
			THIN	659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729-730
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91216	T	105	MASS(ES)	
			INGUINAL REGION-RIGHT	
			WEEK 98	680C, 687C, 694C, 701C, 708C, 715C, 722C, 729-730C
C91217	M	68	APPEARANCE	
			THIN	470, 472
			EXCRETION	
			FEW FECES	463
			NO FECES	470, 472
			EYES	
			RED DISCHARGE	
			EYES	470, 472
			RESPIRATION	
			IRREGULAR	472
			SKIN & PELAGE	
			BROWN HAIR COAT	
			VENTRAL-ABDOMINAL	463, 470, 472
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91218	M	97	APPEARANCE	
			HEAD TILT	
			LEFT	638, 645, 652, 659, 666, 673
			HUNCHED	617, 624, 631, 638, 645, 652, 659, 666, 673
			MALOCCLUSION	274
			THIN	659, 666, 673
			BEHAVIOR	
			ATAXIC	673
			HYPOACTIVE	617, 624
			DISCHARGE	
			NASAL	
			RED IN COLOR	673
			EXCRETION	
			FEW FECES	589, 617, 673
			NO FECES	666
			SKIN & PELAGE	
			SORE/SCAB	
			MOUTH	29
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204 211, 218, 225, 232, 239, 246, 253, 260, 267, 281, 288, 295, 302 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575 582, 603, 610

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91219	M	88	APPEARANCE	
			HUNCHED	610
			MALOCCLUSION	197, 204, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568 575, 582, 589, 596, 600, 603, 609-610
			THIN	610
			BEHAVIOR	
			HYPOACTIVE	610
			EXCRETION	
			FEW FECES	600, 603, 609-610
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	582, 589, 596, 600, 603, 609-610
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 211 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393 400
			MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 88	610C

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD / QUALIFIER (GROUP: F2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91220	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 84	582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C, 729C 732C
			VENTRAL-ABDOMINAL	
			WEEK 82	568, 575, 582, 589, 596C, 603C, 610C, 617C, 624C, 631C, 638C 645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C 722C, 729C, 732C
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 82	568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C 645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C 722C, 729C, 732C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 97	673, 680, 687, 694C, 701C, 708C, 715C, 722C, 729C, 732C
C91221	T	105	APPEARANCE	
			MALOCCLUSION	148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323 330, 337, 344, 351, 358, 365, 372, 400, 407, 414, 421, 428, 435 442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512, 519, 526 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617 624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708 715, 722, 729-730

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91221	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 379, 386, 393
C91222	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 24
C91223	3	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 94
C91224	M	97	APPEARANCE	
			MALOCCLUSION	589, 596, 603, 610
			THIN	659, 666, 673, 676
			DISCHARGE	
			GENITAL	
			RED IN COLOR	676
			NASAL	
			RED IN COLOR	676
			EXCRETION	
			FEW FECES	656, 659, 666, 673, 676
			EYES	
			RED DISCHARGE	
			EYES	656, 676
			SKIN & PELAGE	
			BROWN HAIR COAT	
			VENTRAL-ABDOMINAL	676

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	SEX	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER	GROUP: F2 DOSE: 3 PPM DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)					
C91224	M		97	NORMAL	
				NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 568, 575, 582, 652
				MASS(ES)	
				INGUINAL REGION-LEFT	
				WEEK 87	603, 610, 617, 624, 631, 638, 645
				INGUINAL REGION-RIGHT	
				WEEK 72	498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C
				WEEK 87	603, 610, 617, 624, 631, 638, 645
C91225	M		84	APPEARANCE	
				MALOCCLUSION	15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568 575, 582, 585
				MISSING	
				TEETH	463, 470, 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547 554, 561, 568, 575, 582, 585
				SWOLLEN	
				VENTRAL-ABDOMINAL	582, 585
				THIN	568, 575, 582, 585
				EXCRETION	
				FEW FECES	568, 575, 582, 585

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91225	M	84	EYES	
			PALE	
			EYES	585
			SKIN & PELAGE	
			COLD TO TOUCH	
			ENTIRE BODY	582, 585
			PALE	
			ENTIRE BODY	582, 585
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8
C91226	M	86	APPEARANCE	
			HEAD TILT	
			LEFT	596
			RIGHT	582, 589
			THIN	582, 589, 596
			BEHAVIOR	
			HYPOACTIVE	596
			EYES	
			RED DISCHARGE	
			EYES	568, 575, 582
			RESPIRATION	
			AUDIBLE	596
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91226	M	86	NORMAL	
			NO REMARKABLE OBSERVATIONS	204, 211, 218, 225, 232
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 59	407, 414, 421C, 428C, 435C, 442C, 449C, 456C, 463C, 470C, 477C 484C, 491C, 498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C 561C, 568C, 575C, 582C, 589C, 596C
			AXILLARY REGION-RIGHT	
			WEEK 38	260, 267, 274C, 281C, 288C, 295C, 302C, 309C, 316C, 323C, 330C 337C, 344C, 351C, 358C, 365C, 372C, 379C, 386C, 393C, 400C, 407
			INGUINAL REGION-LEFT	
			WEEK 64	442C, 449C, 456C, 463C, 470C, 477C, 484C, 491C, 498C, 505C, 512C 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C 596C
			INGUINAL REGION-RIGHT	
			WEEK 74	512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C 589C, 596C
			VENTRAL-ABDOMINAL	
			WEEK 35	239C, 246C, 253C, 260C, 267C, 274C, 281C, 288C, 295C, 302C, 309C 316C, 323C
			VENTRAL-CERVICAL-RIGHT	
			WEEK 78	540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C, 596C
C91227	T	105	APPEARANCE	
			MALOCCLUSION	589, 596, 603
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91227	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575
			MASS(ES)	
			INGUINAL REGION-LEFT	
			WEEK 86	596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C 673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C, 729-730C
			INGUINAL REGION-RIGHT	
			WEEK 84	582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C 729-730C
C91228	M	94	EYES	
			RED DISCHARGE	
			EYES	638, 645, 652
			SKIN & PELAGE	
			BROWN HAIR COAT	
			VENTRAL-ABDOMINAL	638, 645, 652
			RED HAIR COAT	
			HEAD-ENTIRE	624, 631, 638, 645, 652
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 372, 379, 386, 393, 400, 407, 414 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505 512, 519, 526, 533, 540, 547, 554, 561

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91228	M	94	MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 82	568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C 645C, 652C
			VENTRAL-ABDOMINAL	
			WEEK 49	337C, 344C, 351C, 358C, 365C
C91229	M	94	APPEARANCE	
			THIN	645, 652
			RESPIRATION	
			IRREGULAR	652
			SKIN & PELAGE	
			BLUE SKIN	
			VENTRAL-ABDOMINAL-LEFT	596, 603, 610, 617, 624, 631, 638, 645, 652
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 505, 512, 519, 526, 533, 540, 547, 554, 561
			MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 71	491, 498
			WEEK 82	568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C 645C, 652C

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91230	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 24
C91231	M	92	BEHAVIOR	
			HYPOACTIVE	638-639
			DISCHARGE	
			NASAL	
			RED IN COLOR	639
			EYES	
			RED DISCHARGE	
			EYES	638-639
			SQUINTED	
			PERI-ORBITAL	638-639
			RESPIRATION	
			LABORED	639
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	631, 638-639
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 498, 505 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596 603, 610, 617, 624

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91231	M	92	WART LIKE LESION(S)	
			HEAD-MAXILLARY-RIGHT	
			WEEK 67	463, 470, 477, 484, 491
C91232	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 731
C91233	3	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 94
C91234	D	66	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 459
C91235	T	105	EYES	
			RED DISCHARGE	
			EYE-LEFT	568
			SKIN & PELAGE	
			SORE/SCAB	
			HEAD-MAXILLARY-LEFT	568
			MOUTH	582

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD / QUALIFIER	GROUP: F2 DOSE: 3 PPM DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91235	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 575, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666 673, 680, 687, 694, 701, 708, 715, 722, 729, 731
C91236	T	105	APPEARANCE	
			MALOCCLUSION	589, 596, 603, 610
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575 582, 617, 624, 631
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 93	645, 652, 659, 666, 673, 680, 687, 694C, 701C, 708C, 715C, 722C 729-730C
			INGUINAL REGION-LEFT	
			WEEK 94	652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C
			VENTRAL-ABDOMINAL	
			WEEK 92	638C
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 46	316, 323

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91237	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 24
C91238	M	68	APPEARANCE	
			THIN	456, 463, 470
			EXCRETION	
			FEW FECES	463, 470
			EYES	
			RED DISCHARGE	
			EYES	456, 463, 470
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449
C91239	M	58	APPEARANCE	
			MALOCCLUSION	225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400
			EYES	
			RED DISCHARGE	
			EYE-RIGHT	134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218
			SKIN & PELAGE	
			SORE/SCAB	
			AXILLARY REGION-RIGHT	323, 330, 337, 344, 351, 358, 365

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91239	M	58	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 47	323, 330C, 337C, 344C, 351C, 358C, 365C, 372C, 379C, 386C, 393C 400C
			AXILLARY REGION-RIGHT	
			WEEK 35	239C, 246C, 253C, 260C, 267C, 274C, 281C, 288C, 295C, 302C, 309C 316C, 323C, 330C, 337C, 344C, 351C, 358C, 365C, 372C, 379C, 386C 393C, 400C
C91240	M	79	APPEARANCE	
			MALOCCLUSION	85, 92, 99, 106, 113, 120, 127, 134, 141, 148, 155, 162, 169 176, 183, 190, 197, 204, 211, 218, 225, 232, 239, 246, 253, 260 267, 274, 281, 288, 295, 302, 309, 316, 323, 330, 337, 344, 351 358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442 449, 456, 463, 470, 477, 484, 491, 498, 505, 512, 519, 526, 533 540, 547, 550
			RESPIRATION	
			LABORED	550
			SKIN & PELAGE	
			YELLOW HAIR COAT	435
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91240	M	79	MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 74	512, 519, 526, 533, 540, 547C, 550C
C91241	3	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 94
C91242	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729-730
C91243	T	105	SKIN & PELAGE	
			SORE/SCAB	
			DORSAL	561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645 652, 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 731
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 414, 421, 428, 435, 442, 449, 456, 463
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 68	470C, 477C, 484C, 491C, 498C, 505C, 512C, 519C, 526C, 533C, 540C

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91243	T	105	MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 68	547C, 554C, 561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C 624C, 631C, 638C, 645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C 701C, 708C, 715C, 722C, 729C, 731C
			INGUINAL REGION-LEFT	
			WEEK 89	617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C, 673C, 680C, 687C 694C, 701C, 708C, 715C, 722C, 729C, 731C
			INGUINAL REGION-RIGHT	
			WEEK 93	645, 652, 659, 666, 673C, 680C, 687C, 694C, 701C, 708C, 715C 722C, 729C, 731C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 56	386, 393, 400, 407
C91244	M	67	APPEARANCE	
			MALOCCLUSION	241, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414 421, 428, 435, 442, 449, 456, 463, 467
			BEHAVIOR	
			HYPOACTIVE	467
			VOCALIZATION	467
			DISCHARGE	
			NASAL	
			RED IN COLOR	241
			EYES	
			RED DISCHARGE	
			EYES	241, 246

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER	GROUP: F2 DOSE: 3 PPM DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91244	M	67	RESPIRATION	
			AUDIBLE	467
			SKIN & PELAGE	
			PALE	
			EARS	241, 246
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239
C91245	M	96	APPEARANCE	
			MALOCCLUSION	589, 596, 603
			BEHAVIOR	
			HYPOACTIVE	668
			EXCRETION	
			FEW FECES	659, 666, 668
			EYES	
			RED DISCHARGE	
			EYES	668
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	668
			YELLOW HAIR COAT	659, 666, 668
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91245	M	96	NORMAL	
			NO REMARKABLE OBSERVATIONS	113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 610, 617, 624, 631, 638, 645, 652
C91246	M	87	APPEARANCE	
			HUNCHED	582, 589, 596, 600, 603-604
			THIN	603-604
			EXCRETION	
			NO FECES	600, 603-604
			EYES	
			RED DISCHARGE	
			EYES	603-604
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 68	470C, 477C, 484C, 491C, 498C, 505C, 512C, 519C, 526C, 533C, 540C 547C, 554C, 561C, 568C, 575C, 582C, 589C, 596C, 600C, 603-604C

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91247	M	73	APPEARANCE	
			THIN	470, 477, 484, 491, 498, 505, 508
			BEHAVIOR	
			RECUMBENT	
			STERNAL	508
			DISCHARGE	
			ORAL	
			RED IN COLOR	508
			EXCRETION	
			NO FECES	470, 508
			EYES	
			RED DISCHARGE	
			EYES	470, 477, 484, 491, 498, 505, 508
			RESPIRATION	
			AUDIBLE	508
			LABORED	508
			SKIN & PELAGE	
			RED HAIR COAT	
			VENTRAL-ABDOMINAL	456, 463, 470, 477, 484, 491
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 295, 302, 309 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400 407, 414, 421, 428, 435

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91247	M	73	MASS(ES)	
			INGUINAL REGION-LEFT	
			WEEK 64	442C, 449C, 456C, 463C, 470C, 477C, 484C, 491C, 498C, 505C, 508C
			VENTRAL-ABDOMINAL	
			WEEK 40	274C, 281C, 288C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 70	484C, 491C, 498C, 505C, 508C
C91248	3	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 94
C91249	M	97	APPEARANCE	
			MALOCCLUSION	484, 491, 498, 505
			THIN	657, 659, 666, 673
			BEHAVIOR	
			HYPOACTIVE	673
			DISCHARGE	
			NASAL	
			RED IN COLOR	673
			EXCRETION	
			FEW FECES	652, 657, 659, 666, 673
			EYES	
			PALE	
			EYES	638, 645, 652, 657, 659, 666, 673
			RESPIRATION	
			LABORED	673

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 3 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91249	M	97	SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	638, 645, 652, 657
			PERINEAL AREA	645, 652, 657, 659, 666
			VENTRAL-ABDOMINAL	673
			YELLOW HAIR COAT	673
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589 596, 603, 610, 617, 624, 631
C91250	M	73	APPEARANCE	
			MALOCCLUSION	176, 183, 190, 197, 204, 211, 218, 225, 232, 239, 246, 253, 260 267, 274, 281, 288, 295, 302, 309, 316, 323, 330, 337, 344, 351 358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442 449, 456, 463, 470, 477, 484, 491, 498, 505
			SKIN & PELAGE	
			SORE/SCAB	
			AXILLARY REGION-RIGHT	498, 505
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER	GROUP: F2 DOSE: 3 PPM DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91250	M	73	MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 38	260C, 267C, 274C, 281C, 288C, 295C, 302C, 309C, 316C, 323C, 330C 337C, 344C, 351C, 358C, 365C, 372C, 379C, 386C, 393C, 400C, 407C 414C, 421C, 428C, 435C, 442C, 449C, 456C, 463C, 470C, 477C, 484C 491C, 498C, 505C

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91191	F2	638	92	MASS(ES) AXILLARY REGION-LEFT WEEK 92	15 X 15MM
		645 TO 680	93 98	MASS(ES) AXILLARY REGION-LEFT WEEK 92	20 X 20MM
		526 TO 533	76 77	MASS(ES) INGUINAL REGION-RIGHT WEEK 76	15 X 15MM
		575 TO 582	83 84	MASS(ES) INGUINAL REGION-RIGHT WEEK 83	30 X 20MM
		589 TO 596	85 86	MASS(ES) INGUINAL REGION-RIGHT WEEK 83	35 X 25MM
		603 TO 652	87 94	MASS(ES) INGUINAL REGION-RIGHT WEEK 83	50 X 40MM
		659 TO 666	95 96	MASS(ES) INGUINAL REGION-RIGHT WEEK 83	55 X 70MM
		673 TO 680	97 98	MASS(ES) INGUINAL REGION-RIGHT WEEK 83	70 X 70MM

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91193	F2	596	86	MASS(ES)	10 X 10MM
	TO	603	87	AXILLARY REGION-LEFT	
				WEEK 85	
		610	88	MASS(ES)	25 X 20MM
	TO	631	91	AXILLARY REGION-LEFT	
				WEEK 85	
C91194	F2	491	71	MASS(ES)	20 X 20MM
	TO	519	75	AXILLARY REGION-RIGHT	
				WEEK 71	
		526	76	MASS(ES)	30 X 35MM
	TO	561	81	AXILLARY REGION-RIGHT	
				WEEK 71	
		568	82	MASS(ES)	60 X 40MM
				AXILLARY REGION-RIGHT	
				WEEK 71	
		575	83	MASS(ES)	60 X 60MM
	TO	596	86	AXILLARY REGION-RIGHT	
				WEEK 71	
		603	87	MASS(ES)	70 X 70MM
	TO	652	94	AXILLARY REGION-RIGHT	
				WEEK 71	
		659	95	MASS(ES)	65 X 60MM
	TO	728	104	AXILLARY REGION-RIGHT	
				WEEK 71	

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91195	F2	603	87	MASS(ES)	10 X 20MM
	TO	617	89	AXILLARY REGION-RIGHT	
				WEEK 87	
		624	90	MASS(ES)	20 X 20MM
	TO	638	92	AXILLARY REGION-RIGHT	
				WEEK 87	
		645	93	MASS(ES)	45 X 35MM
	TO	694	100	AXILLARY REGION-RIGHT	
				WEEK 87	
C91196	F2	554	80	MASS(ES)	10 X 10MM
	TO	561	81	INGUINAL REGION-RIGHT	
				WEEK 80	
		565	81	MASS(ES)	25 X 20MM
				INGUINAL REGION-RIGHT	
				WEEK 80	
		568	82	MASS(ES)	30 X 30MM
	TO	575	83	INGUINAL REGION-RIGHT	
				WEEK 80	
		579	83	MASS(ES)	50 X 30MM
				INGUINAL REGION-RIGHT	
				WEEK 80	
		579	83	MASS(ES)	50 X 30MM
				INGUINAL REGION-RIGHT	
				WEEK 80	

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91196	F2	579	83	MASS(ES) INGUINAL REGION-RIGHT WEEK 80	50 X 30MM
C91200	F2	575	83	MASS(ES) HEAD WEEK 82	10 X 20MM
	TO	582	84		
		589	85	MASS(ES) HEAD WEEK 82	10 X 25MM
		596	86	MASS(ES) HEAD WEEK 82	10 X 30MM
		603	87	MASS(ES) HEAD WEEK 82	30 X 35MM
	TO	607	87		
C91201	F2	582	84	MASS(ES) AXILLARY REGION-RIGHT WEEK 74	10 X 20MM
		589	85	MASS(ES) AXILLARY REGION-RIGHT WEEK 74	15 X 25MM
	TO	617	89		
		624	90	MASS(ES) AXILLARY REGION-RIGHT WEEK 74	20 X 20MM
	TO	631	91		

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91201	F2	638	92	MASS(ES)	30 X 25MM
	TO	645	93	AXILLARY REGION-RIGHT	
				WEEK 74	
		652	94	MASS(ES)	35 X 30MM
				AXILLARY REGION-RIGHT	
				WEEK 74	
		659	95	MASS(ES)	40 X 30MM
	TO	701	101	AXILLARY REGION-RIGHT	
				WEEK 74	
		708	102	MASS(ES)	60 X 50MM
	TO	722	104	AXILLARY REGION-RIGHT	
				WEEK 74	
		729	105	MASS(ES)	60 X 45MM
	TO	730	105	AXILLARY REGION-RIGHT	
				WEEK 74	
		673	97	MASS(ES)	10 X 10MM
	TO	701	101	INGUINAL REGION-RIGHT	
				WEEK 97	
		708	102	MASS(ES)	50 X 30MM
	TO	730	105	INGUINAL REGION-RIGHT	
				WEEK 97	
		337	49	MASS(ES)	25 X 20MM
	TO	351	51	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 49	

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91201	F2	729	105	MASS(ES)	20 X 20MM
	TO	730	105	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 105	
C91202	F2	526	76	MASS(ES)	30 X 20MM
	TO	561	81	AXILLARY REGION-RIGHT	
				WEEK 76	
		568	82	MASS(ES)	40 X40MM
	TO	590	85	AXILLARY REGION-RIGHT	
				WEEK 76	
		582	84	MASS(ES)	20 X 10MM
	TO	590	85	INGUINAL REGION-LEFT	
				WEEK 84	
		582	84	MASS(ES)	10 X 15MM
	TO	590	85	VENTRAL-THORACIC-RIGHT	
				WEEK 84	
C91203	F2	449	65	MASS(ES)	10 X 10MM
	TO	456	66	AXILLARY REGION-RIGHT	
				WEEK 60	
		470	68	MASS(ES)	30 X 30MM
	TO	512	74	AXILLARY REGION-RIGHT	
				WEEK 60	
		519	75	MASS(ES)	40 X 40MM
	TO	532	76	AXILLARY REGION-RIGHT	
				WEEK 60	

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91204	F2	239	35	MASS(ES)	30 X 25MM
	TO	302	44	VENTRAL-ABDOMINAL	
				WEEK 35	
		309	45	MASS(ES)	50 X 40MM
	TO	323	47	VENTRAL-ABDOMINAL	
				WEEK 35	
		330	48	MASS(ES)	45 X 30MM
	TO	365	53	VENTRAL-ABDOMINAL	
				WEEK 35	
		372	54	MASS(ES)	45 X 35MM
	TO	426	61	VENTRAL-ABDOMINAL	
				WEEK 35	
C91210	F2	351	51	MASS(ES)	15 X 15MM
	TO	365	53	VENTRAL-ABDOMINAL	
				WEEK 51	
C91211	F2	596	86	MASS(ES)	30 X 30MM
	TO	645	93	INGUINAL REGION-LEFT	
				WEEK 86	
		652	94	MASS(ES)	20 X 20MM
	TO	722	104	INGUINAL REGION-LEFT	
				WEEK 86	
		729	105	MASS(ES)	20 X 40MM
	TO	731	105	INGUINAL REGION-LEFT	
				WEEK 86	

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91212	F2 TO	351 365	51 53	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 49	10 X 10MM
		372	54	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 49	15 X 15MM
		379	55	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 49	20 X 15MM
		386	56	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 49	20 X 15MM
		393	57	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 49	20 X 15MM
		407	59	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 49	20 X 15MM
		414	60	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 49	10 X 10MM
		421	61	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 49	10 X 10MM

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91212	F2	428	62	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 49	10 X 10M
		435	63	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 49	10 X 10MM
		442	64	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 49	10 X 10MM
		449	65	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 49	10 X 10MM
		456	66	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 49	10 X 10MM
		463	67	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 49	10 X 10MM
		467	67	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 49	10 X 10MM
		400	58	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 49	20 X 15MM

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91214	F2	519	75	MASS(ES)	20 X 20MM
	TO	561	81	INGUINAL REGION-LEFT	
				WEEK 75	
		582	84	MASS(ES)	10 X 10MM
	TO	610	88	INGUINAL REGION-LEFT	
				WEEK 84	
		582	84	MASS(ES)	10 X 10MM
	TO	687	99	INGUINAL REGION-RIGHT	
				WEEK 84	
		442	64	MASS(ES)	15 X 15MM
	TO	463	67	VENTRAL-ABDOMINAL-LEFT	
				WEEK 64	
		470	68	MASS(ES)	20 X 25MM
	TO	484	70	VENTRAL-ABDOMINAL-LEFT	
				WEEK 64	
		491	71	MASS(ES)	30 X 30MM
	TO	512	74	VENTRAL-ABDOMINAL-LEFT	
				WEEK 64	
		519	75	MASS(ES)	35 X 40MM
	TO	547	79	VENTRAL-ABDOMINAL-LEFT	
				WEEK 64	
		554	80	MASS(ES)	35 X 55MM
	TO	561	81	VENTRAL-ABDOMINAL-LEFT	
				WEEK 64	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91214	F2	568	82	MASS(ES)	40 X 70MM
	TO	582	84	VENTRAL-ABDOMINAL-LEFT	
				WEEK 64	
		589	85	MASS(ES)	60 X 80MM
	TO	596	86	VENTRAL-ABDOMINAL-LEFT	
				WEEK 64	
		603	87	MASS(ES)	60 X 90MM
	TO	631	91	VENTRAL-ABDOMINAL-LEFT	
				WEEK 64	
		638	92	MASS(ES)	70 X 100MM
	TO	652	94	VENTRAL-ABDOMINAL-LEFT	
				WEEK 64	
		659	95	MASS(ES)	90 X 50MM
	TO	666	96	VENTRAL-ABDOMINAL-LEFT	
				WEEK 64	
		673	97	MASS(ES)	50 X 90MM
	TO	687	99	VENTRAL-ABDOMINAL-LEFT	
				WEEK 64	
		526	76	MASS(ES)	35 X 40MM
				VENTRAL-ABDOMINAL-LEFT	
				WEEK 75	
		442	64	MASS(ES)	10 X 10MM
	TO	463	67	VENTRAL-CERVICAL	
				WEEK 64	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91214	F2	470	68	MASS(ES)	25 X 25MM
	TO	512	74	VENTRAL-CERVICAL	
				WEEK 64	
		519	75	MASS(ES)	35 X 35MM
				VENTRAL-CERVICAL	
				WEEK 64	
		526	76	MASS(ES)	40 X 40MM
	TO	540	78	VENTRAL-CERVICAL	
				WEEK 64	
		547	79	MASS(ES)	50 X 40MM
	TO	561	81	VENTRAL-CERVICAL	
				WEEK 64	
		568	82	MASS(ES)	60 X 50MM
	TO	582	84	VENTRAL-CERVICAL	
				WEEK 64	
		589	85	MASS(ES)	70 X 60MM
				VENTRAL-CERVICAL	
				WEEK 64	
		596	86	MASS(ES)	80 X 70MM
				VENTRAL-CERVICAL	
				WEEK 64	
		603	87	MASS(ES)	85 X 75MM
				VENTRAL-CERVICAL	
				WEEK 64	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91214	F2	610	88	MASS(ES)	90 X 80MM
	TO	631	91	VENTRAL-CERVICAL	
				WEEK 64	
		638	92	MASS(ES)	100 X 85MM
	TO	652	94	VENTRAL-CERVICAL	
				WEEK 64	
		659	95	MASS(ES)	75 X 90MM
	TO	683	98	VENTRAL-CERVICAL	
				WEEK 95	
		687	99	MASS(ES)	85 X 90MM
	TO	687	99	VENTRAL-CERVICAL	
				WEEK 95	
		687	99	MASS(ES)	85 X 90MM
				VENTRAL-CERVICAL	
				WEEK 95	
C91216	F2	680	98	MASS(ES)	10 X 10MM
	TO	701	101	INGUINAL REGION-RIGHT	
				WEEK 98	
		708	102	MASS(ES)	50 X 40MM
	TO	722	104	INGUINAL REGION-RIGHT	
				WEEK 98	
		729	105	MASS(ES)	50 X 30MM
	TO	730	105	INGUINAL REGION-RIGHT	
				WEEK 98	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91219	F2	610	88	MASS(ES)	10 X 10MM
	TO	610	88	VENTRAL-ABDOMINAL WEEK 88	
C91220	F2	582	84	MASS(ES)	10 X 15MM
	TO	596	86	AXILLARY REGION-RIGHT WEEK 84	
		603	87	MASS(ES)	15 X 15MM
	TO	631	91	AXILLARY REGION-RIGHT WEEK 84	
		638	92	MASS(ES) AXILLARY REGION-RIGHT WEEK 84	25 X 25MM
		645	93	MASS(ES)	30 X 25MM
	TO	659	95	AXILLARY REGION-RIGHT WEEK 84	
		666	96	MASS(ES)	30 X 30MM
	TO	687	99	AXILLARY REGION-RIGHT WEEK 84	
		694	100	MASS(ES)	40 X 35MM
	TO	732	105	AXILLARY REGION-RIGHT WEEK 84	
		596	86	MASS(ES) VENTRAL-ABDOMINAL WEEK 82	10 X 10MM

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91220	F2	603	87	MASS(ES)	15 X 15MM
	TO	610	88	VENTRAL-ABDOMINAL WEEK 82	
		617	89	MASS(ES)	20 X 20MM
	TO	631	91	VENTRAL-ABDOMINAL WEEK 82	
		638	92	MASS(ES)	25 X 25MM
	TO	645	93	VENTRAL-ABDOMINAL WEEK 82	
		652	94	MASS(ES)	10 X 10MM
				VENTRAL-ABDOMINAL WEEK 82	
		659	95	MASS(ES)	20 X 25MM
				VENTRAL-ABDOMINAL WEEK 82	
		666	96	MASS(ES)	30 X 30MM
	TO	687	99	VENTRAL-ABDOMINAL WEEK 82	
		694	100	MASS(ES)	20 X 20MM
	TO	732	105	VENTRAL-ABDOMINAL WEEK 82	
		568	82	MASS(ES)	20 X 20MM
	TO	596	86	VENTRAL-ABDOMINAL-LEFT WEEK 82	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91220	F2	603	87	MASS(ES)	25 X 25MM
	TO	631	91	VENTRAL-ABDOMINAL-LEFT	
				WEEK 82	
		638	92	MASS(ES)	30 X 40MM
	TO	645	93	VENTRAL-ABDOMINAL-LEFT	
				WEEK 82	
		652	94	MASS(ES)	30 X 30MM
	TO	659	95	VENTRAL-ABDOMINAL-LEFT	
				WEEK 82	
		666	96	MASS(ES)	55 X 50MM
	TO	687	99	VENTRAL-ABDOMINAL-LEFT	
				WEEK 82	
		694	100	MASS(ES)	65 X 55MM
	TO	701	101	VENTRAL-ABDOMINAL-LEFT	
				WEEK 82	
		708	102	MASS(ES)	70 X 70MM
	TO	732	105	VENTRAL-ABDOMINAL-LEFT	
				WEEK 82	
		694	100	MASS(ES)	25 X 25MM
	TO	701	101	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 97	
		708	102	MASS(ES)	40 X 30MM
	TO	732	105	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 97	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91224	F2	498	72	MASS(ES)	10 X 15MM
	TO	561	81	INGUINAL REGION-RIGHT	
				WEEK 72	
C91226	F2	421	61	MASS(ES)	15 X15MM
	TO	435	63	AXILLARY REGION-LEFT	
				WEEK 59	
		442	64	MASS(ES)	35 X 30MM
	TO	561	81	AXILLARY REGION-LEFT	
				WEEK 59	
		568	82	MASS(ES)	40 X 45MM
	TO	596	86	AXILLARY REGION-LEFT	
				WEEK 59	
		274	40	MASS(ES)	10 X 10MM
	TO	400	58	AXILLARY REGION-RIGHT	
				WEEK 38	
		442	64	MASS(ES)	15 X 15MM
	TO	498	72	INGUINAL REGION-LEFT	
				WEEK 64	
		505	73	MASS(ES)	20 X 20MM
	TO	512	74	INGUINAL REGION-LEFT	
				WEEK 64	
		519	75	MASS(ES)	30 X 50MM
	TO	561	81	INGUINAL REGION-LEFT	
				WEEK 64	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91226	F2	568	82	MASS(ES)	40 X 60MM
	TO	596	86	INGUINAL REGION-LEFT	
				WEEK 64	
		512	74	MASS(ES)	15 X 15MM
				INGUINAL REGION-RIGHT	
				WEEK 74	
		519	75	MASS(ES)	20 X 20MM
	TO	568	82	INGUINAL REGION-RIGHT	
				WEEK 74	
		575	83	MASS(ES)	30 X 30MM
	TO	589	85	INGUINAL REGION-RIGHT	
				WEEK 74	
		596	86	MASS(ES)	40 X 40MM
	TO	596	86	INGUINAL REGION-RIGHT	
				WEEK 74	
		596	86	MASS(ES)	40 X 40MM
				INGUINAL REGION-RIGHT	
				WEEK 74	
		239	35	MASS(ES)	20 X 20MM
	TO	323	47	VENTRAL-ABDOMINAL	
				WEEK 35	
		540	78	MASS(ES)	20 X 20MM
	TO	561	81	VENTRAL-CERVICAL-RIGHT	
				WEEK 78	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91226	F2	568	82	MASS(ES) VENTRAL-CERVICAL-RIGHT WEEK 78	20 X 30MM
		575 TO 596	83 TO 86	MASS(ES) VENTRAL-CERVICAL-RIGHT WEEK 78	30 X 30MM
C91227	F2	596	86	MASS(ES) INGUINAL REGION-LEFT WEEK 86	25 X 25MM
		603 TO 631	87 TO 91	MASS(ES) INGUINAL REGION-LEFT WEEK 86	25 X 35MM
		638 TO 645	92 TO 93	MASS(ES) INGUINAL REGION-LEFT WEEK 86	50 X 40MM
		652 TO 680	94 TO 98	MASS(ES) INGUINAL REGION-LEFT WEEK 86	60 X 50MM
		687	99	MASS(ES) INGUINAL REGION-LEFT WEEK 86	60 X 60MM
		694 TO 701	100 TO 101	MASS(ES) INGUINAL REGION-LEFT WEEK 86	70 X 65MM

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91227	F2	708	102	MASS(ES)	85 X 65MM
	TO	730	105	INGUINAL REGION-LEFT	
				WEEK 86	
		582	84	MASS(ES)	15 X 10 MM
				INGUINAL REGION-RIGHT	
				WEEK 84	
		589	85	MASS(ES)	25 X 25MM
	TO	596	86	INGUINAL REGION-RIGHT	
				WEEK 84	
		603	87	MASS(ES)	35 X 35MM
	TO	617	89	INGUINAL REGION-RIGHT	
				WEEK 84	
		624	90	MASS(ES)	40 X 40MM
	TO	631	91	INGUINAL REGION-RIGHT	
				WEEK 84	
		638	92	MASS(ES)	50 X 45MM
	TO	680	98	INGUINAL REGION-RIGHT	
				WEEK 84	
		687	99	MASS(ES)	70 X 60MM
				INGUINAL REGION-RIGHT	
				WEEK 84	
		694	100	MASS(ES)	85 X 60
	TO	701	101	INGUINAL REGION-RIGHT	
				WEEK 84	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91227	F2	708	102	MASS(ES)	100 X 70MM
	TO	730	105	INGUINAL REGION-RIGHT	
				WEEK 84	
C91228	F2	568	82	MASS(ES)	20 X 20MM
	TO	589	85	AXILLARY REGION-RIGHT	
				WEEK 82	
		596	86	MASS(ES)	30 X 25MM
	TO	617	89	AXILLARY REGION-RIGHT	
				WEEK 82	
		624	90	MASS(ES)	25 X 20MM
	TO	652	94	AXILLARY REGION-RIGHT	
				WEEK 82	
		337	49	MASS(ES)	10 X 10MM
	TO	365	53	VENTRAL-ABDOMINAL	
				WEEK 49	
C91229	F2	568	82	MASS(ES)	10 X10MM
				VENTRAL-ABDOMINAL-LEFT	
				WEEK 82	
		575	83	MASS(ES)	20 X 20MM
				VENTRAL-ABDOMINAL-LEFT	
				WEEK 82	
		582	84	MASS(ES)	25 X 30MM
				VENTRAL-ABDOMINAL-LEFT	
				WEEK 82	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD / QUALIFIER	FREE-TEXT COMMENT
C91229	F2	589	85	MASS(ES)	30 X 35MM
	TO	596	86	VENTRAL-ABDOMINAL-LEFT	
				WEEK 82	
		603	87	MASS(ES)	35 X 35MM
	TO	631	91	VENTRAL-ABDOMINAL-LEFT	
				WEEK 82	
		638	92	MASS(ES)	50 X 45MM
	TO	652	94	VENTRAL-ABDOMINAL-LEFT	
				WEEK 82	
C91236	F2	694	100	MASS(ES)	15 X 15MM
	TO	730	105	AXILLARY REGION-RIGHT	
				WEEK 93	
		652	94	MASS(ES)	10 X 10MM
				INGUINAL REGION-LEFT	
				WEEK 94	
		659	95	MASS(ES)	20 X 20MM
	TO	687	99	INGUINAL REGION-LEFT	
				WEEK 94	
		694	100	MASS(ES)	25 X 25MM
	TO	722	104	INGUINAL REGION-LEFT	
				WEEK 94	
		638	92	MASS(ES)	15 X 15MM
				VENTRAL-ABDOMINAL	
				WEEK 92	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD / QUALIFIER	FREE-TEXT COMMENT
C91239	F2	330	48	MASS(ES)	10 X 10MM
	TO	400	58	AXILLARY REGION-LEFT	
				WEEK 47	
		239	35	MASS(ES)	10 X 10MM
	TO	260	38	AXILLARY REGION-RIGHT	
				WEEK 35	
		267	39	MASS(ES)	15 X 20MM
	TO	316	46	AXILLARY REGION-RIGHT	
				WEEK 35	
		323	47	MASS(ES)	20 X 20MM
	TO	337	49	AXILLARY REGION-RIGHT	
				WEEK 35	
		344	50	MASS(ES)	20 X 25MM
	TO	351	51	AXILLARY REGION-RIGHT	
				WEEK 35	
		358	52	MASS(ES)	30 X 30MM
	TO	365	53	AXILLARY REGION-RIGHT	
				WEEK 35	
		372	54	MASS(ES)	45 X 45MM
	TO	400	58	AXILLARY REGION-RIGHT	
				WEEK 35	
C91240	F2	547	79	MASS(ES)	10 X 10MM
	TO	550	79	AXILLARY REGION-RIGHT	
				WEEK 74	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91243	F2	470	68	MASS(ES)	10 X 10MM
	TO	484	70	AXILLARY REGION-LEFT	
				WEEK 68	
		491	71	MASS(ES)	25 X 25MM
	TO	561	81	AXILLARY REGION-LEFT	
				WEEK 68	
		568	82	MASS(ES)	40 X 40MM
	TO	582	84	AXILLARY REGION-LEFT	
				WEEK 68	
		589	85	MASS(ES)	45 X 45MM
	TO	596	86	AXILLARY REGION-LEFT	
				WEEK 68	
		603	87	MASS(ES)	60 X 45MM
				AXILLARY REGION-LEFT	
				WEEK 68	
		610	88	MASS(ES)	65 X 55MM
	TO	638	92	AXILLARY REGION-LEFT	
				WEEK 68	
		645	93	MASS(ES)	70 X 60MM
				AXILLARY REGION-LEFT	
				WEEK 68	
		652	94	MASS(ES)	85 X 60MM
				AXILLARY REGION-LEFT	
				WEEK 68	

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91243	F2	659	95	MASS(ES) AXILLARY REGION-LEFT WEEK 68	75 X 50MM
		666 TO 731	96 TO 105	MASS(ES) AXILLARY REGION-LEFT WEEK 68	75 X 60MM
		617 TO 652	89 TO 94	MASS(ES) INGUINAL REGION-LEFT WEEK 89	20 X 15MM
		659 TO 731	95 TO 105	MASS(ES) INGUINAL REGION-LEFT WEEK 89	30 X 40MM
		673 TO 680	97 TO 98	MASS(ES) INGUINAL REGION-RIGHT WEEK 93	15 X 15MM
		687 TO 731	99 TO 105	MASS(ES) INGUINAL REGION-RIGHT WEEK 93	25 X 25MM
C91246	F2	470 TO 477	68 TO 69	MASS(ES) AXILLARY REGION-LEFT WEEK 68	15 X 15MM
		484 TO 491	70 TO 71	MASS(ES) AXILLARY REGION-LEFT WEEK 68	20 X 20MM

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91246	F2	498	72	MASS(ES)	30 X 20MM
		TO 512	74	AXILLARY REGION-LEFT	
				WEEK 68	
		519	75	MASS(ES)	40 X 30MM
		TO 540	78	AXILLARY REGION-LEFT	
				WEEK 68	
		547	79	MASS(ES)	50 X 30MM
		TO 561	81	AXILLARY REGION-LEFT	
				WEEK 68	
		568	82	MASS(ES)	60 X 45MM
				AXILLARY REGION-LEFT	
				WEEK 68	
		575	83	MASS(ES)	65 X 60MM
		TO 582	84	AXILLARY REGION-LEFT	
				WEEK 68	
		589	85	MASS(ES)	75 X 70MM
				AXILLARY REGION-LEFT	
				WEEK 68	
		596	86	MASS(ES)	100 X 70MM
		TO 600	86	AXILLARY REGION-LEFT	
				WEEK 68	
		603	87	MASS(ES)	105 X 75MM
		TO 604	87	AXILLARY REGION-LEFT	
				WEEK 68	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91247	F2	442	64	MASS(ES)	15 X 15MM
	TO	477	69	INGUINAL REGION-LEFT	
				WEEK 64	
		484	70	MASS(ES)	25 X 25MM
	TO	505	73	INGUINAL REGION-LEFT	
				WEEK 64	
		508	73	MASS(ES)	30 X 30MM
	TO	508	73	INGUINAL REGION-LEFT	
				WEEK 64	
		274	40	MASS(ES)	10 X 20MM
	TO	288	42	VENTRAL-ABDOMINAL	
				WEEK 40	
		484	70	MASS(ES)	20 X 20MM
	TO	508	73	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 70	
C91250	F2	260	38	MASS(ES)	10 X 10MM
	TO	267	39	AXILLARY REGION-RIGHT	
				WEEK 38	
		274	40	MASS(ES)	20 X 20MM
	TO	309	45	AXILLARY REGION-RIGHT	
				WEEK 38	
		316	46	MASS(ES)	35 X 35MM
	TO	323	47	AXILLARY REGION-RIGHT	
				WEEK 38	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91250	F2	330	48	MASS(ES)	40 X 35MM
		TO 344	50	AXILLARY REGION-RIGHT	
				WEEK 38	
		351	51	MASS(ES)	50 X 45MM
		TO 372	54	AXILLARY REGION-RIGHT	
				WEEK 38	
		379	55	MASS(ES)	60 X 55MM
		TO 400	58	AXILLARY REGION-RIGHT	
				WEEK 38	
		407	59	MASS(ES)	70 X 60MM
		TO 414	60	AXILLARY REGION-RIGHT	
				WEEK 38	
		421	61	MASS(ES)	80 X 65MM
				AXILLARY REGION-RIGHT	
				WEEK 38	
		428	62	MASS(ES)	80 X 80MM
		TO 435	63	AXILLARY REGION-RIGHT	
				WEEK 38	
		442	64	MASS(ES)	90 X 85MM
		TO 498	72	AXILLARY REGION-RIGHT	
				WEEK 38	
		505	73	MASS(ES)	100 X 100MM
		TO 505	73	AXILLARY REGION-RIGHT	
				WEEK 38	

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91250	F2	505	73	MASS(ES) AXILLARY REGION-RIGHT WEEK 38	90 X 85MM

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91251	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 24
C91252	T	105	APPEARANCE	
			MALOCCLUSION	589, 596, 603, 610, 617, 624, 631, 638, 645
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715 722, 729-730
C91253	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722
			MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 105	729-730C

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91254	T	105	APPEARANCE	
			MALOCCLUSION	512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687 694, 701, 708, 715, 722, 729, 731
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505
C91255	M	74	APPEARANCE	
			HUNCHED	512-513
			BEHAVIOR	
			HYPOACTIVE	512-513
			RECUMBENT	
			STERNAL	513
			EYES	
			SQUINTED	
			PERI-ORBITAL	512-513
			RESPIRATION	
			LABORED	513
			SKIN & PELAGE	
			SORE/SCAB	
			AXILLARY REGION-LEFT	498, 505, 512-513

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91255	M	74	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 64	442, 449, 456, 463, 470C, 477C, 484C, 491C, 498C, 505C, 512-513C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 62	428C, 435C, 442C, 449C, 456C, 463C, 470C, 477C, 484C, 491C, 498C 505C, 512-513C
C91256	T	105	APPEARANCE	
			SWOLLEN	
			PAW-HIND-LEFT	652, 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 731
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617
			MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 90	624, 631, 638, 645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C 701C, 708C, 715C, 722C, 729C, 731C

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91257	M	83	APPEARANCE	
			HUNCHED	579
			MALOCCLUSION	554, 561, 568-570, 575, 579
			THIN	540, 547, 554, 561, 568-570, 575, 579
			BEHAVIOR	
			HYPOACTIVE	568-570, 575, 579
			EXCRETION	
			FEW FECES	570, 575
			EYES	
			RED DISCHARGE	
			EYE-LEFT	64, 71, 120, 127, 134, 162, 169, 176, 183, 190, 197, 204, 211 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568-570 575, 579
			SKIN & PELAGE	
			YELLOW HAIR COAT	579
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 78, 85, 92, 99, 106, 113, 141 148, 155
			MASS(ES)	
			VENTRAL-CERVICAL	
			WEEK 68	470, 477

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91258	M	86	APPEARANCE	
			HUNCHED	600
			THIN	600
			EXCRETION	
			FEW FECES	600
			SKIN & PELAGE	
			YELLOW HAIR COAT	600
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 75	519C, 526C, 533C
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 71	491C, 498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C, 596C, 600C
			VENTRAL-THORACIC-LEFT	
			WEEK 79	547C, 554C, 561C, 568C, 575C, 582C, 589C, 596C, 600C

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91259	D	63	APPEARANCE	
			HEAD TILT	
			RIGHT	435, 438
			THIN	421, 428, 435, 438
			BEHAVIOR	
			ATAXIC	435, 438
			HYPOACTIVE	428, 435, 438
			EYES	
			RED DISCHARGE	
			EYE-RIGHT	435, 438
			EYES	393, 400, 407, 414, 421, 428
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386
C91260	M	73	APPEARANCE	
			THIN	498, 505, 509
			BEHAVIOR	
			HYPOACTIVE	509
			RECUMBENT	
			LATERAL	509
			EXCRETION	
			FEW FECES	491, 498, 505, 509

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91260	M	73	EYES	
			RED DISCHARGE	
			EYES	491, 498, 505, 509
			RESPIRATION	
			LABORED	509
			SKIN & PELAGE	
			BROWN HAIR COAT	
			PERINEAL AREA	498, 505, 509
			RED HAIR COAT	
			HEAD-ENTIRE	491, 498, 505, 509
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484
C91261	D	99	APPEARANCE	
			MALOCCLUSION	463, 470, 477, 484, 491
			THIN	673, 680, 687, 689
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-CRANIAL	568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 689
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91261	D	99	NORMAL	
			NO REMARKABLE OBSERVATIONS	113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 498, 505 512, 519, 526, 533, 540, 547, 554, 561
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 87	603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C, 673C 680C, 687C, 689C
C91262	M	89	APPEARANCE	
			DEHYDRATED	617-618
			HUNCHED	617-618
			THIN	610, 617-618
			EXCRETION	
			NO FECES	617-618
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	610, 617-618
			YELLOW HAIR COAT	617-618
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 463, 470, 477, 484, 491, 498, 505, 512, 519, 526, 533, 540 547, 554

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91262	M	89	MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 57	393, 400, 407, 414, 421, 428, 435, 442, 449, 456
			VENTRAL-THORACIC	
			WEEK 81	561, 568, 575, 582, 589, 596, 603, 610, 617-618
C91263	M	72	APPEARANCE	
			THIN	484, 491, 498
			BEHAVIOR	
			ATAXIC	498
			HYPOACTIVE	498
			EXCRETION	
			FEW FECES	484, 498
			EYES	
			RED DISCHARGE	
			EYES	456, 463, 484, 498
			SKIN & PELAGE	
			BROWN HAIR COAT	
			PERINEAL AREA	498
			VENTRAL-ABDOMINAL	463
			YELLOW HAIR COAT	456, 463
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD / QUALIFIER (GROUP: F3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91263	M	72	MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 33	225C, 232C, 239C, 246C, 253C
			AXILLARY REGION-RIGHT	
			WEEK 31	211, 218, 225
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 22	148, 155, 162, 169, 176C, 183C, 190C, 197C, 204C, 211C, 218C 225C, 232C, 239C, 246C, 253C, 260C, 267C, 274C, 281C, 288C, 295C 302C, 309C, 316C, 323C, 330C, 337C, 344C, 351C, 358C, 365C, 372C 379C, 386C, 393C, 400C, 407C, 414C, 421C, 428C, 435C, 442C, 449C 456C, 463C, 470C, 477C, 484C, 491C, 498C
C91264	T	105	SKIN & PELAGE	
			ALOPECIA	568, 575, 617, 624, 631
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 582, 638
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 97	673, 680, 687C, 694C, 701C, 708C, 715C, 722C, 729-730C
			AXILLARY REGION-RIGHT	
			WEEK 85	589, 596, 603, 610
			WEEK 93	645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C 722C, 729-730C

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91265	M	94	APPEARANCE	
			HUNCHED	653
			MALOCCLUSION	127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652-653
			THIN	653
			BEHAVIOR	
			ATAXIC	653
			HYPOACTIVE	653
			EXCRETION	
			FEW FECES	645, 652-653
			SKIN & PELAGE	
			YELLOW HAIR COAT	653
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120
C91266	M	104	APPEARANCE	
			HEAD TILT	
			RIGHT	723
			THIN	713, 715, 722-723
			EXCRETION	
			FEW FECES	713
			NO FECES	715, 722-723

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91266	M	104	SKIN & PELAGE	
			BROWN HAIR COAT	
			VENTRAL-ABDOMINAL	713, 715, 722-723
			BLACK SKIN	
			VENTRAL-ABDOMINAL-LEFT	713, 715, 722-723
			SORE/SCAB	
			PAW-HIND-LEFT	582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666 673, 680, 687, 694, 701, 708, 713, 715, 722-723
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 358, 365, 372 379, 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463 470, 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554 561, 568, 575
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 97	673, 680, 687, 694C, 701C, 708C, 713C, 715C, 722-723C
			INGUINAL REGION-RIGHT	
			WEEK 89	617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C, 673C, 680C, 687C 694C, 701C, 708C, 713C, 715C, 722-723C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 40	274C, 281C, 288C, 295C, 302C, 309C, 316C, 323C, 330C, 337, 344 351

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91267	M	67	SKIN & PELAGE	
			BLUE SKIN	
			VENTRAL-ABDOMINAL-RIGHT	358, 365
			SORE/SCAB	
			VENTRAL-ABDOMINAL-RIGHT	372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456 463-464
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253
			MASS(ES)	
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 38	260C, 267C, 274C, 281C, 288C, 295C, 302C, 309C, 316C, 323C, 330C 337C, 344C, 351C, 358C, 365C, 372C, 379C, 386C, 393C, 400C, 407C 414C, 421C, 428C, 435C, 442C, 449C, 456C, 463-464C
			VENTRAL-CERVICAL-LEFT	
			WEEK 46	316C, 323C, 330C, 337C, 344C, 351C, 358C, 365C, 372C, 379C, 386C 393C, 400C, 407C, 414C, 421C, 428C, 435C, 442C, 449C, 456C 463-464C
C91268	M	97	EYES	
			DISCOLORED/DARK RED	
			EYE-LEFT	645, 652, 659, 666, 673
			SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-LEFT	673
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER	GROUP: F3 DOSE: 30 PPM DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91268	M	97	NORMAL	
			NO REMARKABLE OBSERVATIONS	113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547
			MASS(ES)	
			HEAD-MAXILLARY-LEFT	
			WEEK 80	554C, 561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C 631C, 638C, 645C, 652C, 659C, 666C, 673C
C91269	M	83	APPEARANCE	
			DEHYDRATED	568-569
			HEAD TILT	
			LEFT	578
			THIN	566, 568-569, 575, 578
			BEHAVIOR	
			HYPOACTIVE	566, 568-569, 575, 578
			DISCHARGE	
			NASAL	
			RED IN COLOR	557, 566, 568-569, 575, 578
			EXCRETION	
			FEW FECES	551, 554, 575
			NO FECES	557, 566, 568-569, 578
			EYES	
			RED DISCHARGE	
			EYE-LEFT	578

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER	GROUP: F3 DOSE: 30 PPM DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91269	M	83	EYES	
			RED DISCHARGE	
			EYES	566, 568-569, 575
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	547, 551, 554, 557
			YELLOW HAIR COAT	551, 554, 557, 561, 566, 568-569, 575, 578
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540
C91270	M	59	APPEARANCE	
			HEAD TILT	
			LEFT	407
			THIN	386, 393, 400, 407
			BEHAVIOR	
			CIRCLING	
			LEFT	407
			EXCRETION	
			NO FECES	386
			EYES	
			RED DISCHARGE	
			EYES	386

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91270	M	59	RESPIRATION	
			LABORED	407
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	386
			VENTRAL-ABDOMINAL	386, 393, 400, 407
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379
C91271	M	94	APPEARANCE	
			HUNCHED	645, 652-653
			THIN	653
			BEHAVIOR	
			HYPOACTIVE	653
			DISCHARGE	
			GENITAL	
			RED IN COLOR	653
			EYES	
			RED DISCHARGE	
			EYE-LEFT	505, 645, 652-653
			SKIN & PELAGE	
			YELLOW HAIR COAT	653

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91271	M	94	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 512
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 84	582, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C 652-653C
			AXILLARY REGION-RIGHT	
			WEEK 89	617, 624, 631, 638, 645, 652-653
			INGUINAL REGION-LEFT	
			WEEK 75	519, 526, 533, 540, 547, 554C, 561C, 568C, 575C
			WEEK 84	582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C 652-653C
C91272	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 24
C91273	M	81	APPEARANCE	
			HEAD TILT	
			RIGHT	561
			EYES	
			RED DISCHARGE	
			EYE-LEFT	442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512, 519, 526 533, 540

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91273	M	81	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435
			MASS(ES)	
			INGUINAL REGION-LEFT	
			WEEK 76	526, 533, 540, 547, 554, 561
C91274	D	70	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 490
C91275	M	69	APPEARANCE	
			THIN	463, 470, 477, 480
			BEHAVIOR	
			HYPOACTIVE	442, 449
			EXCRETION	
			FEW FECES	470, 477, 480
			EYES	
			RED DISCHARGE	
			EYE-LEFT	435, 442, 449, 456, 463, 470, 477, 480

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER	GROUP: F3 DOSE: 30 PPM DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91275	M	69	SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	435, 442, 449, 456
			ROUGH HAIR COAT	435, 442, 449, 456, 463, 470, 477, 480
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 58	400, 407, 414C, 421C, 428C, 435C, 442C, 449C, 456C, 463C, 470C 477C, 480C
			AXILLARY REGION-RIGHT	
			WEEK 52	358C, 365C, 372C, 379C, 386C, 393C, 400C, 407C
C91276	M	97	APPEARANCE	
			MALOCCLUSION	568, 575, 673
			THIN	526
			EYES	
			PALE	
			EYES	673
			RED DISCHARGE	
			EYE-RIGHT	421, 428
			SKIN & PELAGE	
			BLUE SKIN	
			VENTRAL-ABDOMINAL	673

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91276	M	97	SKIN & PELAGE	
			SORE/SCAB	
			AXILLARY REGION-RIGHT	617, 624, 631, 638
			LATERAL-ABDOMINAL-RIGHT	673
			YELLOW HAIR COAT	526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610 617, 624, 631, 638, 645, 652, 659, 666, 673
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 82	568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C 645C, 652C, 659C, 666C, 673C
			AXILLARY REGION-RIGHT	
			WEEK 93	645, 652, 659, 666, 673
			DORSAL-CERVICAL-LEFT	
			WEEK 82	568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C 645C, 652C, 659C, 666C, 673C
			INGUINAL REGION-LEFT	
			WEEK 88	610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C, 673C
			VENTRAL-ABDOMINAL	
			WEEK 72	498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C 652C, 659C, 666C, 673C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 62	428, 435, 442, 449, 456, 463, 470, 477, 484C, 491C, 498C, 505C 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91276	M	97	MASS(ES)	
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 62	589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C 666C, 673C
C91277	M	72	APPEARANCE	
			HUNCHED	498
			MALOCCLUSION	141, 148, 155, 162, 169, 176, 183, 190
			THIN	498
			EYES	
			RED DISCHARGE	
			EYES	498
			SKIN & PELAGE	
			COLD TO TOUCH	
			ENTIRE BODY	498
			PALE	
			ENTIRE BODY	498
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 197, 204, 211, 218, 225, 232, 239, 246, 253 260, 267, 274, 281, 288, 295, 302, 309, 316, 323, 330, 337, 344 351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421
			MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 62	428, 435C, 442C, 449C, 456C, 463C, 470C, 477C, 484C, 491C, 498C
			WEEK 72	498C

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91278	T	105	EYES	
			CLEAR DISCHARGE	
			EYE-LEFT	568
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 575, 582, 589, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673 680, 687, 694, 701, 708, 715, 722
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 105	729-730C
			TAIL-PROXIMAL	
			WEEK 86	596, 603
			VENTRAL-CERVICAL-RIGHT	
			WEEK 105	729-730C
C91279	T	105	DISCHARGE	
			ORAL	
			RED IN COLOR	493
			SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL	568, 575, 582, 589
			VENTRAL-ABDOMINAL-LEFT	638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715, 722 729, 731
			VENTRAL-ABDOMINAL-RIGHT	617, 624, 631

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91279	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 96	666, 673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C, 729C, 731C
			INGUINAL REGION-LEFT	
			WEEK 80	554C, 561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C 631C, 638C, 645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C 708C, 715C, 722C, 729C, 731C
			INGUINAL REGION-RIGHT	
			WEEK 86	596, 603, 610
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 53	365C, 372C, 379C, 386C, 393C, 400C, 407C, 414C, 421C, 428C, 435C 442C, 449C, 456C, 463C, 470C, 477C, 484C, 491C, 493C, 498C, 505C 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C, 729C, 731C
C91280	M	98	APPEARANCE	
			HUNCHED	671, 673, 680-681
			THIN	681
			BEHAVIOR	
			ATAXIC	681
			HYPOACTIVE	671, 673, 680-681
			EXCRETION	
			FEW FECES	671, 673, 680-681

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91280	M	98	EYES	
			RED DISCHARGE	
			EYES	671, 673, 680-681
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666
C91281	3	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 94
C91282	M	53	BEHAVIOR	
			HYPOACTIVE	358, 365
			DISCHARGE	
			NASAL	
			RED IN COLOR	351, 356, 358, 365
			EXCRETION	
			FEW FECES	358, 365
			EYES	
			RED DISCHARGE	
			EYES	356, 358, 365
			SQUINTED	
			PERI-ORBITAL	358, 365

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91282	M	53	RESPIRATION	
			AUDIBLE	365
			LABORED	365
			SKIN & PELAGE	
			BROWN HAIR COAT	
			PERINEAL AREA	351, 356, 358, 365
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309
			WART LIKE LESION(S)	
			VENTRAL-THORACIC	
			WEEK 46	316, 323, 330, 337, 344, 351
C91283	M	93	APPEARANCE	
			HUNCHED	629
			THIN	617, 624, 629, 631, 638, 645, 647
			BEHAVIOR	
			ATAXIC	647
			HYPOACTIVE	629
			EXCRETION	
			FEW FECES	610, 647
			NO FECES	617, 629

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER	GROUP: F3 DOSE: 30 PPM DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91283	M	93	EYES	
			RED DISCHARGE	
			EYES	629
			SKIN & PELAGE	
			PALE	
			ENTIRE BODY	647
			SORE/SCAB	
			DORSAL	498, 505
			PAW-HIND-RIGHT	617, 624, 629, 631, 638, 645, 647
			YELLOW HAIR COAT	617, 624, 629, 631, 638, 645, 647
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 512, 519, 526, 533, 540, 547, 554, 561
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 82	568, 575, 582, 589C, 596C, 603C, 610C, 617C, 624C, 629C, 631C 638C, 645C, 647C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 82	568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C, 629C, 631C 638C, 645C, 647C

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER	GROUP: F3 DOSE: 30 PPM DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91284	D	100	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694
C91285	1	4	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 24
C91286	T	105	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729-730
C91287	1	4	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 24

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91288	3	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 94
C91289	M	73	APPEARANCE	
			HEAD TILT	
			LEFT	484, 491, 498, 505, 508
			HUNCHED	508
			MALOCCLUSION	141, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498 505, 508
			THIN	491, 498, 505, 508
			BEHAVIOR	
			ATAXIC	508
			DISCHARGE	
			ORAL	
			CLEAR	508
			EXCRETION	
			FEW FECES	484, 491, 498, 505, 508
			RESPIRATION	
			AUDIBLE	508
			IRREGULAR	508
			LABORED	498
			SKIN & PELAGE	
			COLD TO TOUCH	
			LIMBS-ALL	508

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER	GROUP: F3 DOSE: 30 PPM DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91289	M	73	SKIN & PELAGE	
			YELLOW HAIR COAT	421, 428
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134
C91290	M	59	APPEARANCE	
			HEAD TILT	
			RIGHT	393, 400, 407
			MALOCCLUSION	43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113, 120, 127, 134, 141 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407
			THIN	393, 400, 407
			SKIN & PELAGE	
			YELLOW HAIR COAT	372
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 52	358C, 365C, 372C, 379C, 386C, 393C, 400C, 407C

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91291	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 24
C91292	T	105	APPEARANCE	
			MALOCCLUSION	351, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680 687, 694, 701, 708, 715, 722, 729-730
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505
C91293	3	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 94
C91294	T	105	APPEARANCE	
			MALOCCLUSION	603, 610, 617, 624, 631
			EYES	
			CLEAR DISCHARGE	
			EYE-LEFT	498, 505
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91294	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	477, 484, 491, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575 582, 589, 596, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701 708, 715, 722, 729, 731
C91295	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 582 589, 596
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 81	561, 568, 575
			WEEK 87	603, 610, 617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C, 673C 680C, 687C, 694C, 701C, 708C, 715C, 722C, 729C, 732C
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 99	687C, 694C, 701C, 708C, 715C, 722C, 729C, 732C
C91296	M	86	APPEARANCE	
			HUNCHED	594, 596
			THIN	582, 587, 589, 594, 596
			BEHAVIOR	
			HYPOACTIVE	596
			EXCRETION	
			FEW FECES	582, 587, 589, 594

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91296	M	86	EYES	
			RED DISCHARGE	
			EYES	582, 587, 589, 594, 596
			SKIN & PELAGE	
			YELLOW HAIR COAT	594, 596
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575
C91297	D	91	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617
			MASS(ES)	
			DORSAL	
			WEEK 90	624C, 631C, 636C

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91298	M	74	APPEARANCE	
			MALOCCLUSION	148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505 512
			THIN	477, 484, 491, 498, 505, 512
			SKIN & PELAGE	
			BROWN HAIR COAT	
			PERINEAL AREA	400, 407
			YELLOW HAIR COAT	477, 484, 491, 498, 505, 512
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 43	295, 302, 309C, 316C, 323C, 330C, 337C, 344C, 351C, 358C, 365C 372C, 379C, 386C, 393C, 400C, 407C, 414C, 421C, 428C, 435C, 442C 449C, 456C, 463C, 470C, 477C, 484C, 491C, 498C, 505C, 512C
C91299	3	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 94

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91300	D	83	APPEARANCE	
			THIN	498, 505, 512, 519, 526, 533, 536, 540, 547, 549, 554, 561, 564 568, 570, 575, 579
			BEHAVIOR	
			CIRCLING	
			LEFT	549, 554
			EXCRETION	
			FEW FECES	570, 575, 579
			EYES	
			RED DISCHARGE	
			EYES	536, 540, 547, 549, 554, 561, 564, 568, 570, 575, 579
			SQUINTED	
			PERI-ORBITAL	526, 533
			RESPIRATION	
			AUDIBLE	575, 579
			SKIN & PELAGE	
			PALE	
			ENTIRE BODY	570
			YELLOW HAIR COAT	536, 540, 547, 549, 554, 561, 564, 568, 570, 575, 579
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 435, 442, 449 456, 463, 470, 477, 484, 491

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91300	D	83	MASS(ES)	
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 53	365C, 372C, 379C, 386C, 393C, 400C, 407C, 414C, 421C, 428C
C91301	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 99	687C, 694C, 701C, 708C, 715C, 722C, 729-730C
			INGUINAL REGION-LEFT	
			WEEK 105	729-730C
C91302	M	72	APPEARANCE	
			HUNCHED	484, 491, 498, 501, 504
			THIN	407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491 498, 501, 504
			BEHAVIOR	
			HYPOACTIVE	428, 435, 442, 449, 504
			EXCRETION	
			DISCOLORED URINE	
			RED IN COLOR	407
			FEW FECES	504

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91302	M	72	EYES	
			RED DISCHARGE	
			EYES	414, 421, 428, 435, 442, 449
			RESPIRATION	
			AUDIBLE	501
			SKIN & PELAGE	
			COLD TO TOUCH	
			ENTIRE BODY	504
			ROUGH HAIR COAT	435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 501, 504
			YELLOW HAIR COAT	407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491 498, 501, 504
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 400
			MASS(ES)	
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 51	351C, 358C, 365C, 372C, 379C, 386C, 393C
C91303	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91303	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	659, 666, 673, 680, 687
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 105	729-730
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 100	694C, 701C, 708C, 715C, 722C, 729-730C
C91304	3	14	SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-CERVICAL-LEFT	15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 94
			VENTRAL-CERVICAL-RIGHT	15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 94
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8
C91305	M	87	APPEARANCE	
			CONVULSIONS	288, 295, 302, 309, 316, 372, 379, 386, 400, 407
			PARALYSIS	
			LIMBS-HIND	603-604
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 323 330, 337, 344, 351, 358, 365, 393, 414, 421, 428, 435, 442, 449 456, 463, 470, 477, 484, 491, 498, 505, 512, 519, 526, 533, 540 547, 554, 561, 568, 575, 582, 589, 596

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91306	M	103	SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456 463, 470, 477, 484, 491
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 498, 505
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 74	512, 519, 526, 533, 540, 547, 554, 561, 568, 575C, 582C, 589C 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C 673C, 680C, 687C, 694C, 701C, 708C, 715C
			AXILLARY REGION-RIGHT	
			WEEK 85	589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C
			INGUINAL REGION-LEFT	
			WEEK 81	561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C
			WEEK 93	645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C
			INGUINAL REGION-RIGHT	
			WEEK 92	638C, 645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C 715C

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91307	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 731
C91308	M	69	APPEARANCE	
			HEAD TILT	
			RIGHT	470, 477, 480
			BEHAVIOR	
			ATAXIC	480
			SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-CERVICAL-LEFT	15, 22
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113, 120 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393 400, 407, 414, 421, 428, 435, 442, 449, 456, 463

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 30 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91309	M	67	SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL-LEFT	428, 435, 442, 449, 456, 463-464
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386
			MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 57	393C, 400C, 407C, 414C, 421C, 428C, 435C, 442C, 449C, 456C 463-464C
			VENTRAL-CERVICAL	
			WEEK 62	428C, 435C, 442C, 449C, 456C, 463-464C
C91310	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 71	491C, 498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C 645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C 722C, 729C, 732C

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91253	F3	729	105	MASS(ES)	30 X 30MM
	TO	730	105	VENTRAL-ABDOMINAL-LEFT	
				WEEK 105	
C91255	F3	470	68	MASS(ES)	10 X 10MM
	TO	477	69	AXILLARY REGION-LEFT	
				WEEK 64	
		484	70	MASS(ES)	20 X 20MM
				AXILLARY REGION-LEFT	
				WEEK 64	
		491	71	MASS(ES)	30 X 30MM
	TO	498	72	AXILLARY REGION-LEFT	
				WEEK 64	
		505	73	MASS(ES)	10 X 10MM
	TO	513	74	AXILLARY REGION-LEFT	
				WEEK 64	
		428	62	MASS(ES)	10 X 10MM
	TO	463	67	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 62	
		470	68	MASS(ES)	15 X 20MM
	TO	484	70	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 62	
		491	71	MASS(ES)	20 X 30MM
	TO	513	74	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 62	

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91256	F3	645	93	MASS(ES)	10 X 10MM
	TO	659	95	VENTRAL-ABDOMINAL	
				WEEK 90	
		666	96	MASS(ES)	20 X 20MM
	TO	680	98	VENTRAL-ABDOMINAL	
				WEEK 90	
		687	99	MASS(ES)	30 X 30MM
				VENTRAL-ABDOMINAL	
				WEEK 90	
		694	100	MASS(ES)	40 X 30MM
	TO	731	105	VENTRAL-ABDOMINAL	
				WEEK 90	
C91258	F3	519	75	MASS(ES)	15 X 15MM
	TO	533	77	AXILLARY REGION-LEFT	
				WEEK 75	
		491	71	MASS(ES)	15 X 15MM
	TO	512	74	VENTRAL-ABDOMINAL-LEFT	
				WEEK 71	
		519	75	MASS(ES)	20 X 20MM
				VENTRAL-ABDOMINAL-LEFT	
				WEEK 71	
		526	76	MASS(ES)	20 X 20MM
				VENTRAL-ABDOMINAL-LEFT	
				WEEK 71	

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91258	F3	533	77	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 71	20 X 20MM
		540	78	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 71	20 X 20MM
		547	79	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 71	20 X 20MM
		554	80	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 71	20 X 20MM
		561	81	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 71	20 X 20MM
		568	82	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 71	30 X 30MM
		575	83	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 71	30 X 30MM
		582	84	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 71	30 X 45MM

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91258	F3	589	85	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 71	45 X 50MM
		596	86	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 71	45 X 50MM
		600	86	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 71	45 X 50MM
		600	86	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 71	45 X 50MM
		600	86	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 71	45 X 50MM
		547	79	MASS(ES) VENTRAL-THORACIC-LEFT WEEK 79	20 X 20MM
	TO	561	81		
		568	82	MASS(ES) VENTRAL-THORACIC-LEFT WEEK 79	30 X 30MM
	TO	582	84		
		589	85	MASS(ES) VENTRAL-THORACIC-LEFT WEEK 79	40 X 30MM
	TO	600	86		

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD / QUALIFIER	FREE-TEXT COMMENT
C91261	F3	603	87	MASS(ES) AXILLARY REGION-RIGHT WEEK 87	30 X 30MM
		610 TO 638	88 TO 92	MASS(ES) AXILLARY REGION-RIGHT WEEK 87	40 X 35MM
		645 TO 659	93 TO 95	MASS(ES) AXILLARY REGION-RIGHT WEEK 87	50 X 45MM
		666 TO 689	96 TO 99	MASS(ES) AXILLARY REGION-RIGHT WEEK 87	60 X 70MM
C91263	F3	225 TO 253	33 TO 37	MASS(ES) AXILLARY REGION-LEFT WEEK 33	10 X 10MM
		176 TO 232	26 TO 34	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 22	10 X 10MM
		239 TO 302	35 TO 44	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 22	30 X 30MM
		309 TO 330	45 TO 48	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 22	20 X 20MM

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91263	F3	337	49	MASS(ES)	30 X 30MM
	TO	386	56	VENTRAL-ABDOMINAL-LEFT	
				WEEK 22	
		393	57	MASS(ES)	40 X 35MM
	TO	421	61	VENTRAL-ABDOMINAL-LEFT	
				WEEK 22	
		428	62	MASS(ES)	40 X 40MM
	TO	498	72	VENTRAL-ABDOMINAL-LEFT	
				WEEK 22	
C91264	F3	687	99	MASS(ES)	15 X 15MM
				AXILLARY REGION-LEFT	
				WEEK 97	
		694	100	MASS(ES)	25 X 25MM
	TO	730	105	AXILLARY REGION-LEFT	
				WEEK 97	
		645	93	MASS(ES)	10 X 10MM
	TO	680	98	AXILLARY REGION-RIGHT	
				WEEK 93	
		687	99	MASS(ES)	15 X 15MM
				AXILLARY REGION-RIGHT	
				WEEK 93	
		694	100	MASS(ES)	20 X 20MM
	TO	730	105	AXILLARY REGION-RIGHT	
				WEEK 93	

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD / QUALIFIER	FREE-TEXT COMMENT
C91266	F3	694 TO 723	100 TO 104	MASS(ES) AXILLARY REGION-RIGHT WEEK 97	10 X 10MM
		617 TO 708	89 TO 102	MASS(ES) INGUINAL REGION-RIGHT WEEK 89	20 X 20MM
		713	102	MASS(ES) INGUINAL REGION-RIGHT WEEK 89	20 X 20MM
		715	103	MASS(ES) INGUINAL REGION-RIGHT WEEK 89	20 X 20MM
		722	104	MASS(ES) INGUINAL REGION-RIGHT WEEK 89	20 X 20MM
		723	104	MASS(ES) INGUINAL REGION-RIGHT WEEK 89	20 X 20MM
		723	104	MASS(ES) INGUINAL REGION-RIGHT WEEK 89	20 X 20MM
		274 TO 330	40 TO 48	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 40	10 X 10MM

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91267	F3	260	38	MASS(ES)	10 X 10MM
		TO 281	41	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 38	
		288	42	MASS(ES)	20 X 25MM
		TO 344	50	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 38	
		351	51	MASS(ES)	25 X 30MM
		TO 365	53	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 38	
		372	54	MASS(ES)	40 X 40MM
				VENTRAL-ABDOMINAL-RIGHT	
				WEEK 38	
		379	55	MASS(ES)	20 X 20MM
		TO 393	57	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 38	
		400	58	MASS(ES)	20 X 35MM
		TO 435	63	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 38	
		442	64	MASS(ES)	25 X 35MM
		TO 464	67	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 38	
		316	46	MASS(ES)	10 X 10MM
		TO 323	47	VENTRAL-CERVICAL-LEFT	
				WEEK 46	

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91267	F3	330	48	MASS(ES)	20 X 20MM
	TO	344	50	VENTRAL-CERVICAL-LEFT	
				WEEK 46	
		351	51	MASS(ES)	30 X 25MM
	TO	379	55	VENTRAL-CERVICAL-LEFT	
				WEEK 46	
		386	56	MASS(ES)	35 X 30MM
	TO	407	59	VENTRAL-CERVICAL-LEFT	
				WEEK 46	
		414	60	MASS(ES)	45 X 55MM
	TO	421	61	VENTRAL-CERVICAL-LEFT	
				WEEK 46	
		428	62	MASS(ES)	60 X 55MM
	TO	435	63	VENTRAL-CERVICAL-LEFT	
				WEEK 46	
		442	64	MASS(ES)	70 X 70MM
	TO	464	67	VENTRAL-CERVICAL-LEFT	
				WEEK 46	
C91268	F3	554	80	MASS(ES)	10 X 10MM
	TO	575	83	HEAD-MAXILLARY-LEFT	
				WEEK 80	
		582	84	MASS(ES)	15 X 20MM
				HEAD-MAXILLARY-LEFT	
				WEEK 80	

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91268	F3	589	85	MASS(ES) HEAD-MAXILLARY-LEFT WEEK 80	25 X 25MM
		596 TO 673	86 TO 97	MASS(ES) HEAD-MAXILLARY-LEFT WEEK 80	30 X 30MM
		673	97	MASS(ES) HEAD-MAXILLARY-LEFT WEEK 80	30 X 40MM
C91271	F3	589	85	MASS(ES) AXILLARY REGION-LEFT WEEK 84	15 X 15MM
		596	86	MASS(ES) AXILLARY REGION-LEFT WEEK 84	20 X 15
		603 TO 631	87 TO 91	MASS(ES) AXILLARY REGION-LEFT WEEK 84	30 X 30MM
		638	92	MASS(ES) AXILLARY REGION-LEFT WEEK 84	30 X 40MM
		645 TO 652	93 TO 94	MASS(ES) AXILLARY REGION-LEFT WEEK 84	40 X 40MM

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91271	F3	653	94	MASS(ES)	30 X 30MM
	TO	653	94	AXILLARY REGION-LEFT	
				WEEK 84	
		653	94	MASS(ES)	30 X 30MM
				AXILLARY REGION-LEFT	
				WEEK 84	
		554	80	MASS(ES)	20 X 20MM
	TO	575	83	INGUINAL REGION-LEFT	
				WEEK 75	
		582	84	MASS(ES)	20 X 30 NN
				INGUINAL REGION-LEFT	
				WEEK 84	
		589	85	MASS(ES)	30 X 45MM
	TO	596	86	INGUINAL REGION-LEFT	
				WEEK 84	
		603	87	MASS(ES)	35 X 50MM
	TO	653	94	INGUINAL REGION-LEFT	
				WEEK 84	
C91275	F3	414	60	MASS(ES)	20 X 15MM
	TO	421	61	AXILLARY REGION-LEFT	
				WEEK 58	
		428	62	MASS(ES)	20 X 20MM
				AXILLARY REGION-LEFT	
				WEEK 58	

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91275	F3	435	63	MASS(ES)	25 X 25MM
	TO	480	69	AXILLARY REGION-LEFT	
				WEEK 58	
		358	52	MASS(ES)	10 X 10MM
	TO	407	59	AXILLARY REGION-RIGHT	
				WEEK 52	
C91276	F3	568	82	MASS(ES)	10 X10MM
	TO	582	84	AXILLARY REGION-LEFT	
				WEEK 82	
		589	85	MASS(ES)	15 X 15MM
	TO	603	87	AXILLARY REGION-LEFT	
				WEEK 82	
		610	88	MASS(ES)	20 X 20MM
				AXILLARY REGION-LEFT	
				WEEK 82	
		617	89	MASS(ES)	30 X 20MM
	TO	673	97	AXILLARY REGION-LEFT	
				WEEK 82	
		568	82	MASS(ES)	20 X20MM
	TO	575	83	DORSAL-CERVICAL-LEFT	
				WEEK 82	
		582	84	MASS(ES)	20 X 30MM
				DORSAL-CERVICAL-LEFT	
				WEEK 82	

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91276	F3	589	85	MASS(ES) DORSAL-CERVICAL-LEFT WEEK 82	35 X 30MM
		596	86	MASS(ES) DORSAL-CERVICAL-LEFT WEEK 82	40 X 35MM
		603	87	MASS(ES) DORSAL-CERVICAL-LEFT WEEK 82	45 X 35MM
		610 TO 638	88 92	MASS(ES) DORSAL-CERVICAL-LEFT WEEK 82	55 X 45MM
		645 TO 673	93 97	MASS(ES) DORSAL-CERVICAL-LEFT WEEK 82	70 X 60MM
		610 TO 659	88 95	MASS(ES) INGUINAL REGION-LEFT WEEK 88	20 X 20MM
		666 TO 673	96 97	MASS(ES) INGUINAL REGION-LEFT WEEK 88	30 X 20MM
		498 TO 582	72 84	MASS(ES) VENTRAL-ABDOMINAL WEEK 72	20 X 20MM

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91276	F3	589	85	MASS(ES)	35 X 35MM
	TO	596	86	VENTRAL-ABDOMINAL	
				WEEK 72	
		603	87	MASS(ES)	40 X 45MM
	TO	673	97	VENTRAL-ABDOMINAL	
				WEEK 72	
		484	70	MASS(ES)	10 X 10MM
				VENTRAL-ABDOMINAL-RIGHT	
				WEEK 62	
		491	71	MASS(ES)	20 X 20MM
	TO	582	84	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 62	
		589	85	MASS(ES)	20 X 35MM
	TO	638	92	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 62	
		645	93	MASS(ES)	30 X 40MM
	TO	673	97	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 62	
C91277	F3	435	63	MASS(ES)	20 X 20MM
	TO	456	66	VENTRAL-ABDOMINAL-LEFT	
				WEEK 62	
		463	67	MASS(ES)	25MM X 25MM
				VENTRAL-ABDOMINAL-LEFT	
				WEEK 62	

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91277	F3	470	68	MASS(ES)	55 X 30MM
	TO	477	69	VENTRAL-ABDOMINAL-LEFT	
				WEEK 62	
		484	70	MASS(ES)	80 X 50MM
	TO	498	72	VENTRAL-ABDOMINAL-LEFT	
				WEEK 62	
		498	72	MASS(ES)	30 X 50MM
	TO	498	72	VENTRAL-ABDOMINAL-LEFT	
				WEEK 72	
C91278	F3	729	105	MASS(ES)	10 X 10MM
	TO	730	105	AXILLARY REGION-LEFT	
				WEEK 105	
		729	105	MASS(ES)	20 X 20MM
	TO	730	105	VENTRAL-CERVICAL-RIGHT	
				WEEK 105	
C91279	F3	673	97	MASS(ES)	20 X 20MM
	TO	687	99	AXILLARY REGION-RIGHT	
				WEEK 96	
		694	100	MASS(ES)	35 X 30MM
	TO	731	105	AXILLARY REGION-RIGHT	
				WEEK 96	
		554	80	MASS(ES)	20 X 20MM
	TO	638	92	INGUINAL REGION-LEFT	
				WEEK 80	

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD / QUALIFIER	FREE-TEXT COMMENT
C91279	F3	645	93	MASS(ES)	10 X 10MM
	TO	687	99	INGUINAL REGION-LEFT	
				WEEK 80	
		694	100	MASS(ES)	20 X 20MM
	TO	731	105	INGUINAL REGION-LEFT	
				WEEK 80	
		365	53	MASS(ES)	20 X 30MM
				VENTRAL-ABDOMINAL-LEFT	
				WEEK 53	
		372	54	MASS(ES)	30 X 20MM
	TO	407	59	VENTRAL-ABDOMINAL-LEFT	
				WEEK 53	
		414	60	MASS(ES)	15 X 15MM
	TO	477	69	VENTRAL-ABDOMINAL-LEFT	
				WEEK 53	
		484	70	MASS(ES)	30 X 20MM
	TO	512	74	VENTRAL-ABDOMINAL-LEFT	
				WEEK 53	
		519	75	MASS(ES)	35 X 30MM
	TO	561	81	VENTRAL-ABDOMINAL-LEFT	
				WEEK 53	
		568	82	MASS(ES)	40 X 40MM
	TO	582	84	VENTRAL-ABDOMINAL-LEFT	
				WEEK 53	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91279	F3	589	85	MASS(ES)	50 X 50MM
	TO	687	99	VENTRAL-ABDOMINAL-LEFT	
				WEEK 53	
		694	100	MASS(ES)	40 X 70MM
	TO	708	102	VENTRAL-ABDOMINAL-LEFT	
				WEEK 53	
		715	103	MASS(ES)	70 X 70MM
	TO	731	105	VENTRAL-ABDOMINAL-LEFT	
				WEEK 53	
C91283	F3	589	85	MASS(ES)	15 X 15MM
	TO	596	86	AXILLARY REGION-RIGHT	
				WEEK 82	
		603	87	MASS(ES)	20 X 20MM
	TO	647	93	AXILLARY REGION-RIGHT	
				WEEK 82	
		568	82	MASS(ES)	20 X 20MM
	TO	582	84	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 82	
		589	85	MASS(ES)	30 X 30MM
	TO	596	86	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 82	
		603	87	MASS(ES)	35 X 30MM
	TO	647	93	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 82	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91290	F3	358	52	MASS(ES)	10 X 10MM
	TO	407	59	AXILLARY REGION-RIGHT	
				WEEK 52	
C91295	F3	617	89	MASS(ES)	20 X 25MM
	TO	687	99	AXILLARY REGION-LEFT	
				WEEK 87	
		694	100	MASS(ES)	30 X 30MM
	TO	732	105	AXILLARY REGION-LEFT	
				WEEK 87	
		687	99	MASS(ES)	40 X 40MM
				VENTRAL-ABDOMINAL-LEFT	
				WEEK 99	
		694	100	MASS(ES)	50 X 55MM
	TO	732	105	VENTRAL-ABDOMINAL-LEFT	
				WEEK 99	
C91297	F3	624	90	MASS(ES)	50 X 40
	TO	636	91	DORSAL	
				WEEK 90	
C91298	F3	309	45	MASS(ES)	15 X 15MM
	TO	330	48	AXILLARY REGION-LEFT	
				WEEK 43	
		337	49	MASS(ES)	20 X 20MM
	TO	344	50	AXILLARY REGION-LEFT	
				WEEK 43	

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91298	F3	351	51	MASS(ES)	30 X 25MM
	TO	372	54	AXILLARY REGION-LEFT	
				WEEK 43	
		379	55	MASS(ES)	35 X 25MM
	TO	393	57	AXILLARY REGION-LEFT	
				WEEK 43	
		400	58	MASS(ES)	40 X 35MM
	TO	407	59	AXILLARY REGION-LEFT	
				WEEK 43	
		414	60	MASS(ES)	55 X 45MM
				AXILLARY REGION-LEFT	
				WEEK 43	
		421	61	MASS(ES)	55 X 55MM
	TO	512	74	AXILLARY REGION-LEFT	
				WEEK 43	
C91300	F3	365	53	MASS(ES)	10 X 10MM
	TO	379	55	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 53	
		386	56	MASS(ES)	20 X 15MM
	TO	428	62	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 53	
C91301	F3	687	99	MASS(ES)	15 X 15MM
				AXILLARY REGION-RIGHT	
				WEEK 99	

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91301	F3	694	100	MASS(ES)	30 X 30MM
	TO	730	105	AXILLARY REGION-RIGHT	
				WEEK 99	
		729	105	MASS(ES)	20 X 20MM
	TO	730	105	INGUINAL REGION-LEFT	
				WEEK 105	
C91302	F3	351	51	MASS(ES)	10 X 10MM
	TO	393	57	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 51	
C91303	F3	694	100	MASS(ES)	10 X 10MM
	TO	730	105	VENTRAL-ABDOMINAL-LEFT	
				WEEK 100	
C91306	F3	575	83	MASS(ES)	20 X 20MM
	TO	589	85	AXILLARY REGION-LEFT	
				WEEK 74	
		596	86	MASS(ES)	30 X 25MM
	TO	659	95	AXILLARY REGION-LEFT	
				WEEK 74	
		666	96	MASS(ES)	30 X 50MM
				AXILLARY REGION-LEFT	
				WEEK 74	
		673	97	MASS(ES)	40 X 50MM
	TO	687	99	AXILLARY REGION-LEFT	
				WEEK 74	

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91306	F3	694	100	MASS(ES)	60 X 50MM
	TO	715	103	AXILLARY REGION-LEFT	
				WEEK 74	
		589	85	MASS(ES)	15 X 10 MM
				AXILLARY REGION-RIGHT	
				WEEK 85	
		596	86	MASS(ES)	20 X 15MM
	TO	603	87	AXILLARY REGION-RIGHT	
				WEEK 85	
		610	88	MASS(ES)	30 X 20MM
	TO	680	98	AXILLARY REGION-RIGHT	
				WEEK 85	
		687	99	MASS(ES)	10 X 10MM
	TO	715	103	AXILLARY REGION-RIGHT	
				WEEK 85	
		561	81	MASS(ES)	20 X 20MM
	TO	568	82	INGUINAL REGION-LEFT	
				WEEK 81	
		575	83	MASS(ES)	40 X 40MM
				INGUINAL REGION-LEFT	
				WEEK 81	
		582	84	MASS(ES)	20X 20MM
	TO	589	85	INGUINAL REGION-LEFT	
				WEEK 81	

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91306	F3	596	86	MASS(ES)	25 X 20MM
	TO	610	88	INGUINAL REGION-LEFT	
				WEEK 81	
		617	89	MASS(ES)	25 X 25MM
	TO	631	91	INGUINAL REGION-LEFT	
				WEEK 81	
		645	93	MASS(ES)	10 X 10MM
	TO	687	99	INGUINAL REGION-LEFT	
				WEEK 93	
		694	100	MASS(ES)	20 X 20MM
	TO	715	103	INGUINAL REGION-LEFT	
				WEEK 93	
		638	92	MASS(ES)	30 X 20MM
	TO	687	99	INGUINAL REGION-RIGHT	
				WEEK 92	
		694	100	MASS(ES)	35 X 25MM
	TO	715	103	INGUINAL REGION-RIGHT	
				WEEK 92	
C91309	F3	393	57	MASS(ES)	15 X 15MM
				VENTRAL-ABDOMINAL-LEFT	
				WEEK 57	
		400	58	MASS(ES)	25 X 25MM
	TO	407	59	VENTRAL-ABDOMINAL-LEFT	
				WEEK 57	

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91309	F3	414	60	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 57	40 X 40MM
		421	61	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 57	45 X 50MM
		428 TO 464	62 67	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 57	40 X 45MM
		428	62	MASS(ES) VENTRAL-CERVICAL WEEK 62	25 X 25MM
		435 TO 464	63 67	MASS(ES) VENTRAL-CERVICAL WEEK 62	30 X 30MM
C91310	F3	491 TO 498	71 72	MASS(ES) AXILLARY REGION-LEFT WEEK 71	10 X 10MM
		505 TO 561	73 81	MASS(ES) AXILLARY REGION-LEFT WEEK 71	20 X 20MM
		568 TO 582	82 84	MASS(ES) AXILLARY REGION-LEFT WEEK 71	40 X 30MM

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91310	F3	589	85	MASS(ES)	50 X 50MM
	TO	596	86	AXILLARY REGION-LEFT	
				WEEK 71	
		603	87	MASS(ES)	75 X 50MM
				AXILLARY REGION-LEFT	
				WEEK 71	
		610	88	MASS(ES)	80 X 75MM
	TO	631	91	AXILLARY REGION-LEFT	
				WEEK 71	
		638	92	MASS(ES)	80 X 65MM
				AXILLARY REGION-LEFT	
				WEEK 71	
		645	93	MASS(ES)	80 X 75MM
	TO	680	98	AXILLARY REGION-LEFT	
				WEEK 71	
		687	99	MASS(ES)	80 X 80MM
				AXILLARY REGION-LEFT	
				WEEK 71	
		694	100	MASS(ES)	80 X 110MM
	TO	722	104	AXILLARY REGION-LEFT	
				WEEK 71	
		729	105	MASS(ES)	80 X 95MM
	TO	732	105	AXILLARY REGION-LEFT	
				WEEK 71	

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91311	D	64	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 444
C91312	M	97	APPEARANCE	
			THIN	526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610 652, 659, 666, 673, 675
			DISCHARGE	
			GENITAL	
			RED IN COLOR	675
			EYES	
			PALE	
			EYES	526, 533, 540, 547, 554, 561, 568
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 617, 624, 631, 638, 645

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91313	M	87	APPEARANCE	
			HEAD TILT	
			RIGHT	608
			BEHAVIOR	
			HYPOACTIVE	608
			SKIN & PELAGE	
			RED HAIR COAT	
			VENTRAL-ABDOMINAL	582, 589, 596, 603, 607-608
			VENTRAL-THORACIC	582, 589, 596, 603, 607-608
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 74	512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596 603, 607-608
			AXILLARY REGION-RIGHT	
			WEEK 85	589C, 596C, 603C, 607-608C
			VENTRAL-ABDOMINAL	
			WEEK 85	589C, 596C, 603C, 607-608C
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 71	491C, 498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C 568C, 575C, 582C, 589C, 596C, 603C, 607-608C

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER	GROUP: F4 DOSE: 100 PPM DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91314	M	74	APPEARANCE	
			MALOCCLUSION	498, 505, 512
			THIN	512
			SKIN & PELAGE	
			ALOPECIA	99, 302, 309
			RED HAIR COAT	
			VENTRAL-ABDOMINAL	512
			ROUGH HAIR COAT	358, 365, 372
			SORE/SCAB	
			DORSAL	120, 134
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 106, 113 127, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 316, 323 379, 386, 393, 400, 407, 414
			MASS(ES)	
			HEAD-MAXILLARY-RIGHT	
			WEEK 48	330C, 337C, 344C, 351C, 358C, 365C, 372C
			VENTRAL-CERVICAL-RIGHT	
			WEEK 61	421C, 428C, 435C, 442C, 449C, 456C, 463C, 470C, 477C, 484C, 491C 498C, 505C, 512C

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91315	T	105	EYES	
			RED DISCHARGE	
			EYE-RIGHT	400
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659 666, 673, 680
			MASS(ES)	
			DORSAL	
			WEEK 99	687C, 694C, 701C, 708C, 715C, 722C, 729C, 731C
			WEEK 103	715C, 722C, 729C, 731C
C91316	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 24
C91317	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 24

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91318	A	15	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 102
C91319	M	70	BEHAVIOR	
			RECUMBENT	
			LATERAL	486
			DISCHARGE	
			ORAL	
			CLEAR	486
			EYES	
			RED DISCHARGE	
			EYES	486
			RESPIRATION	
			IRREGULAR	486
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91320	M	79	APPEARANCE	
			THIN	540, 547
			BEHAVIOR	
			ATAXIC	547
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	547
			YELLOW HAIR COAT	547
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533
C91321	M	94	EYES	
			PALE	
			EYES	652, 654
			SKIN & PELAGE	
			SORE/SCAB	
			LUMBAR-LEFT	652, 654
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91321	M	94	NORMAL	
			NO REMARKABLE OBSERVATIONS	386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617
			MASS(ES)	
			DORSAL	
			WEEK 90	624C, 631C, 638C, 645C, 652C, 654C
C91322	M	22	APPEARANCE	
			HUNCHED	150
			MALOCCLUSION	148, 150-151
			THIN	148, 150-151
			DISCHARGE	
			NASAL	
			RED IN COLOR	148, 150-151
			EXCRETION	
			NO FECES	150-151
			RESPIRATION	
			AUDIBLE	150-151
			SKIN & PELAGE	
			BROWN HAIR COAT	
			VENTRAL-ABDOMINAL	148, 150-151
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91323	4	53	SKIN & PELAGE	
			ROUGH HAIR COAT	288, 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 367
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281
			MASS(ES)	
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 51	351C, 358C, 365C, 367C
C91324	T	105	APPEARANCE	
			MALOCCLUSION	400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484 491, 498, 505, 512
			EYES	
			RED DISCHARGE	
			EYE-LEFT	533
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-CRANIAL	582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666 673, 680, 687, 694, 701, 708, 715, 722
			SORE/SCAB	
			PAW-HIND-RIGHT	729, 731
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER	GROUP: F4 DOSE: 100 PPM DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91324	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	386, 393, 519, 526, 540, 547, 554, 561, 568, 575
C91325	M	103	APPEARANCE	
			HUNCHED	712, 715
			THIN	701, 708, 712, 715
			BEHAVIOR	
			HYPOACTIVE	701, 708, 712, 715
			EXCRETION	
			FEW FECES	715
			EYES	
			RED DISCHARGE	
			EYES	712, 715
			SKIN & PELAGE	
			BROWN HAIR COAT	
			PERINEAL AREA	712, 715
			RED HAIR COAT	
			HEAD-CRANIAL	652, 659, 666, 673, 680, 687, 694, 701, 708, 712, 715
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91326	M	86	APPEARANCE	
			HUNCHED	582, 589, 596
			THIN	540, 547, 554, 561, 568, 575, 579, 582, 589, 596
			BEHAVIOR	
			HYPOACTIVE	596
			EXCRETION	
			FEW FECES	561, 568, 575, 579, 582, 589, 596
			EYES	
			RED DISCHARGE	
			EYES	579, 582
			SKIN & PELAGE	
			RED HAIR COAT	
			LIMBS-FRONT	575, 579, 582, 589, 596
			YELLOW HAIR COAT	575, 579, 582, 589, 596
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512, 519, 526, 533

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91327	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575
			MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 84	582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C, 729C 731C
C91328	M	63	APPEARANCE	
			MALOCCLUSION	113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 437
			DISCHARGE	
			ORAL	
			RED IN COLOR	437
			EYES	
			PALE	
			EYES	437
			RED DISCHARGE	
			EYES	437

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91328	M	63	RESPIRATION	
			AUDIBLE	437
			LABORED	437
			SKIN & PELAGE	
			RED HAIR COAT	
			DORSAL-CERVICAL-RIGHT	437
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106
C91329	3	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 94
C91330	M	85	SKIN & PELAGE	
			SORE/SCAB	
			SACRAL-LEFT	582, 589-590
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365
			MASS(ES)	
			DORSAL	
			WEEK 68	470C, 477C, 484C, 491C, 498C, 505C, 512C, 519C, 526C, 533C, 540C 547C, 554C, 561C, 568C, 575C, 582C, 589-590C
			DORSAL-CERVICAL-LEFT	
			WEEK 80	554C, 561C, 568C, 575C, 582C, 589-590C
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 84	582, 589-590C

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91330	M	85	MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 85	589-590C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 85	589-590C
			VENTRAL-THORACIC	
			WEEK 54	372, 379, 386C, 393C, 400C, 407C, 414C, 421C, 428C, 435C, 442C 449C, 456C, 463C, 470C, 477C, 484C, 491C, 498C, 505C, 512C, 519C 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C, 589-590C
C91331	M	78	APPEARANCE	
			THIN	526, 533, 540-541
			EXCRETION	
			FEW FECES	523, 526, 533, 540-541
			EYES	
			SQUINTED	
			PERI-ORBITAL	541
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	523, 526, 533, 540
			VENTRAL-ABDOMINAL	541
			YELLOW HAIR COAT	523, 526, 533, 540-541
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91331	M	78	NORMAL	
			NO REMARKABLE OBSERVATIONS	477, 484, 491, 498, 505, 512, 519
C91332	T	105	APPEARANCE	
			THIN	582, 589, 596, 603, 610, 701, 708, 715, 722, 729-730
			BEHAVIOR	
			HYPOACTIVE	701, 708, 715, 722
			EXCRETION	
			FEW FECES	582, 589
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456 463, 470, 477, 484, 491, 498, 505, 512, 519, 526, 533
			SORE/SCAB	
			DORSAL	596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680 687, 694, 701, 708, 715, 722, 729-730
			LATERAL-CERVICAL-LEFT	8, 15, 22, 29
			LATERAL-CERVICAL-RIGHT	8, 15
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113, 120, 127 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309 316, 323, 330, 337, 344, 351, 358, 365, 540, 547, 554, 561, 568 575

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91333	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 24
C91334	D	101	APPEARANCE	
			MALOCCLUSION	407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673 676, 680, 687, 691, 694, 701, 703, 705
			THIN	673, 676, 680, 687, 691, 694, 701, 703, 705
			BEHAVIOR	
			HYPOACTIVE	701, 703, 705
			EXCRETION	
			FEW FECES	676, 691, 703, 705
			SKIN & PELAGE	
			SCALY SKIN	
			TAIL-DISTAL	36, 43, 50, 57, 64, 71, 78, 85, 92, 99
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 106, 113, 120, 127, 134, 141, 148, 155, 162 169, 176, 183, 190, 197, 204, 211, 218, 232, 239, 246, 253, 260 267, 274, 281, 288, 295, 302, 309, 316, 323, 330, 337, 344, 351 358, 365, 372, 379, 386, 393, 400
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 86	596, 603, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C 673C, 676C, 680C, 687C, 691C, 694C, 701C, 703C, 705C
			VENTRAL-ABDOMINAL	
			WEEK 33	225C

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91334	D	101	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 97	673C, 676C, 680C, 687C, 691C, 694C, 701C, 703C, 705C
C91335	T	105	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729-730
C91336	T	105	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603
			MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 88	610, 617, 624, 631, 638C, 645C, 652C, 659C, 666C, 673C, 680C 687C, 694C, 701C, 708C, 715C, 722C, 729-730C

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91337	3	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 94
C91338	T	105	EYES	
			RED DISCHARGE	
			EYE-LEFT	652, 659, 666, 673, 680, 687, 694, 701
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 708 715, 722, 729, 731
C91339	M	98	APPEARANCE	
			THIN	657, 659, 666, 673, 676, 680
			DISCHARGE	
			NASAL	
			RED IN COLOR	657, 659, 666, 673, 676, 680
			EXCRETION	
			FEW FECES	652, 680
			NO FECES	657, 659
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	652
			VENTRAL-ABDOMINAL	657, 659, 666, 673, 676, 680

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91339	M	98	SKIN & PELAGE	
			YELLOW HAIR COAT	652, 657, 659, 666, 673, 676, 680
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645
C91340	T	105	APPEARANCE	
			MALOCCLUSION	99, 106, 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183 190, 197, 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274 281, 288, 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456 463, 470, 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638 645, 652, 659, 666, 673, 680, 687, 691, 694, 701, 708, 715, 722 729, 731
			THIN	652, 659, 666, 673, 680, 687, 691, 694, 701, 708, 715, 722, 729 731
			BEHAVIOR	
			HYPOACTIVE	701, 708, 715, 722, 729, 731
			EXCRETION	
			FEW FECES	691, 694, 701, 708, 715, 722, 729, 731
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91340	T	105	MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 67	575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C 652C, 659C, 666C, 673C, 680C, 687C, 691C, 694C, 701C, 708C, 715C 722C, 729C, 731C
			VENTRAL-THORACIC-LEFT	
			WEEK 67	463C, 470C, 477C, 484C, 491C, 498C, 505C, 512C, 519C, 526C, 533C 540C, 547C, 554C, 561C, 568C
C91341	T	105	APPEARANCE	
			CONVULSIONS	498, 554, 561, 568, 575, 589, 596, 603, 659, 666, 673, 687, 694 701
			SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-CERVICAL	652, 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729-730
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491
			MASS(ES)	
			VENTRAL-CERVICAL	
			WEEK 73	505, 512, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C 729-730C
			WEEK 75	519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91341	T	105	MASS(ES)	
			VENTRAL-CERVICAL	
			WEEK 75	596C, 603C, 610C
C91342	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 731
C91343	4	53	APPEARANCE	
			MALOCCLUSION	302
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 309, 316, 323, 330, 337, 344, 351, 358, 365, 367
C91344	M	103	APPEARANCE	
			HEAD TILT	
			LEFT	713, 715
			HUNCHED	715
			MALOCCLUSION	365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442, 449 456, 463, 470, 477, 484, 491, 498, 505, 512, 519, 526, 533, 540 547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631 638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 713, 715
			THIN	713, 715

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	SEX	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER	GROUP: F4 DOSE: 100 PPM DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)					
C91344	M		103	BEHAVIOR	
				HYPOACTIVE	715
				EXCRETION	
				FEW FECES	713, 715
				EYES	
				SQUINTED	
				PERI-ORBITAL	713, 715
				SKIN & PELAGE	
				BROWN HAIR COAT	
				PERINEAL AREA	713, 715
				NORMAL	
				NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358
				MASS(ES)	
				VENTRAL-ABDOMINAL-RIGHT	
				WEEK 94	652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C, 713C, 715C
C91345	1		4	NORMAL	
				NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 24

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91346	T	72	APPEARANCE	
			HUNCHED	500-502
			THIN	500-502
			BEHAVIOR	
			HYPOACTIVE	491, 498, 500-502
			EXCRETION	
			FEW FECES	491, 498, 500-502
			EYES	
			CLEAR DISCHARGE	
			EYES	500-502
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 500-502
			VENTRAL-ABDOMINAL	484, 491, 498, 500-502
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91347	4	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 367
C91348	4	53	APPEARANCE	
			MALOCCLUSION	302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 367
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295
C91349	D	59	APPEARANCE	
			MALOCCLUSION	302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386 393, 400, 407, 410
			THIN	372
			DISCHARGE	
			ORAL	
			RED IN COLOR	268, 271
			NASAL	
			RED IN COLOR	268, 271
			EYES	
			RED DISCHARGE	
			EYES	268, 271, 274, 281, 288, 295
			RESPIRATION	
			AUDIBLE	268, 271, 274

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91349	D	59	SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-RIGHT	358, 365, 372
			PAWS-HIND	253, 260, 267-268, 271, 274, 281, 288, 295, 302, 309, 316, 323
			YELLOW HAIR COAT	344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 410
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 120, 127, 134, 141, 148, 176, 183, 190, 197, 204, 211, 218, 225 232, 239, 246
			MASS(ES)	
			HEAD-MAXILLARY-RIGHT	
			WEEK 17	113
			WART LIKE LESION(S)	
			MOUTH	
			WEEK 23	155, 162, 169
C91350	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 24
C91351	M	93	BEHAVIOR	
			HYPOACTIVE	645
			RESPIRATION	
			LABORED	645
			SKIN & PELAGE	
			PALE	
			ENTIRE BODY	645

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91351	M	93	SKIN & PELAGE	
			SORE/SCAB	
			LATERAL-THORACIC-RIGHT	645
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 84	582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C
C91352	4	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 367
C91353	4	53	APPEARANCE	
			SWOLLEN	
			PAW-HIND-LEFT	225, 232, 239, 246, 253
			SKIN & PELAGE	
			ALOPECIA	29, 36, 43, 99
			SORE/SCAB	
			MOUTH	225, 232
			VENTRAL-CERVICAL	141, 148

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91353	4	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 50, 57, 64, 71, 78, 85, 92, 106, 113, 120, 127 134, 155, 162, 169, 176, 183, 190, 197, 204, 260, 267, 274, 281 288, 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 367
			WART LIKE LESION(S)	
			MOUTH	
			WEEK 31	211, 218
C91354	M	88	APPEARANCE	
			HUNCHED	610
			THIN	463, 470, 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547 554, 561, 568, 575, 582, 589, 596, 603, 610
			BEHAVIOR	
			HYPOACTIVE	596, 603, 610
			EXCRETION	
			FEW FECES	526, 533, 540, 547, 596
			RESPIRATION	
			AUDIBLE	526
			SKIN & PELAGE	
			RED HAIR COAT	
			LIMBS-FRONT	596, 603, 610
			YELLOW HAIR COAT	610
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91354	M	88	NORMAL	
			NO REMARKABLE OBSERVATIONS	295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456
C91355	3	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 94
C91356	T	105	APPEARANCE	
			MALOCCLUSION	206, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 732
			THIN	729, 732
			DISCHARGE	
			NASAL	
			RED IN COLOR	206
			EXCRETION	
			FEW FECES	211
			RESPIRATION	
			AUDIBLE	206
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91357	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729-730
C91358	M	75	BEHAVIOR	
			HYPOACTIVE	523
			EXCRETION	
			FEW FECES	523
			EYES	
			RED DISCHARGE	
			EYES	523
			SKIN & PELAGE	
			COLD TO TOUCH	
			ENTIRE BODY	523
			YELLOW HAIR COAT	519, 523
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91358	M	75	MASS(ES)	
			VENTRAL-CERVICAL-LEFT	
			WEEK 61	421C, 428C, 435C, 442C, 449C, 456C, 463C, 470C, 477C, 484C, 491C 498C, 505C, 512C, 519C, 523C
C91359	D	78	APPEARANCE	
			MALOCCLUSION	211, 218
			BEHAVIOR	
			SENSITIVE TO TOUCH	260
			DISCHARGE	
			GENITAL	
			RED IN COLOR	239, 253, 260
			SKIN & PELAGE	
			PALE	
			ENTIRE BODY	260
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 225, 232, 246, 267, 274, 281, 288, 295, 302, 309, 316, 323 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505 512, 519, 526, 533, 540, 546

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91360	T	105	SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456 463, 470, 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729 731
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365
C91361	T	105	APPEARANCE	
			MALOCCLUSION	729, 731
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91362	T	105	SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680 687, 694, 701, 708, 715, 722, 729, 732
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 85	589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C, 729C, 732C
			AXILLARY REGION-RIGHT	
			WEEK 89	617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C, 673C, 680C, 687C 694C, 701C, 708C, 715C, 722C, 729C, 732C
C91363	M	97	APPEARANCE	
			MALOCCLUSION	561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645 652, 659, 663, 666, 673
			THIN	673
			BEHAVIOR	
			HYPOACTIVE	663, 666, 673

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91363	M	97	DISCHARGE	
			NASAL	
			RED IN COLOR	663
			RESPIRATION	
			AUDIBLE	673
			SKIN & PELAGE	
			BROWN HAIR COAT	
			VENTRAL-ABDOMINAL	663, 666, 673
			RED HAIR COAT	
			HEAD-ENTIRE	663, 666, 673
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 358, 365, 372, 379, 386, 393, 400, 407 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 491, 498, 505 512, 519, 526, 533, 540, 547, 554
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 48	330, 337, 344, 351
			MOUTH	
			WEEK 70	484

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91364	D	101	APPEARANCE	
			THIN	645, 652, 659, 666, 673, 680, 687, 694, 701, 707
			DISCHARGE	
			NASAL	
			RED IN COLOR	645, 652, 659, 666, 673, 680, 687, 694, 701, 707
			EXCRETION	
			FEW FECES	694, 701, 707
			SKIN & PELAGE	
			YELLOW HAIR COAT	694, 701, 707
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638
C91365	4	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 367

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91366	M	86	SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	596, 600
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505
			MASS(ES)	
			INGUINAL REGION-LEFT	
			WEEK 80	554C, 561C, 568C, 575C, 582C, 589C, 596C, 600C
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 74	512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C 589C, 596C, 600C
C91367	4	53	APPEARANCE	
			MALOCCLUSION	229, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309 316, 323, 330, 337, 344, 351, 358, 365, 367
			SKIN & PELAGE	
			SORE/SCAB	
			MOUTH	229, 232
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91368	4	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 367
C91369	M	74	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 63	435C, 442C, 449C, 456C, 463C, 470C, 477C, 484C, 491C, 498C, 505C 512C
			AXILLARY REGION-RIGHT	
			WEEK 45	309, 316C, 323C, 330C, 337C, 344C, 351C, 358C, 365C, 372C, 379C 386C, 393C, 400C, 407C, 414C, 421C, 428C, 435C, 442C, 449C, 456C 463C, 470C, 477C, 484C, 491C, 498C, 505C, 512C
			VENTRAL-THORACIC-LEFT	
			WEEK 67	463, 470, 477, 484C, 491C, 498C, 505C, 512C
C91370	3	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 94

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91371	4	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 52	358, 365, 367
C91372	T	105	APPEARANCE	
			MALOCCLUSION	218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666 673, 680, 687, 694, 701, 708, 715, 722, 729, 731
			DISCHARGE	
			NASAL	
			RED IN COLOR	218
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91373	M	69	APPEARANCE	
			HUNCHED	477
			THIN	477
			BEHAVIOR	
			HYPOACTIVE	477
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	470, 477
			VENTRAL-ABDOMINAL	477
			YELLOW HAIR COAT	477
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463
C91374	M	98	APPEARANCE	
			MALOCCLUSION	421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505 512, 519, 526, 533, 540, 547, 554, 561, 568
			THIN	677, 680
			DISCHARGE	
			NASAL	
			RED IN COLOR	673, 677, 680
			EXCRETION	
			FEW FECES	677
			NO FECES	680

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91374	M	98	EYES	
			RED DISCHARGE	
			EYE-RIGHT	673, 677, 680
			SKIN & PELAGE	
			YELLOW HAIR COAT	677, 680
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 575, 582, 589, 596, 603
			WART LIKE LESION(S)	
			TAIL-PROXIMAL	
			WEEK 88	610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 677, 680
C91375	M	83	APPEARANCE	
			HUNCHED	578-579
			THIN	578-579
			BEHAVIOR	
			HYPOACTIVE	579
			EXCRETION	
			FEW FECES	575, 578-579
			EYES	
			RED DISCHARGE	
			EYES	575, 578-579

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91375	M	83	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568
C91376	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 100	694C, 701C, 708C, 715C, 722C, 729-730C
			INGUINAL REGION-LEFT	
			WEEK 105	729-730C
			WART LIKE LESION(S)	
			DORSAL	
			WEEK 89	617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701 708, 715, 722

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91377	D	71	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288
			MASS(ES)	
			VENTRAL-CERVICAL-RIGHT	
			WEEK 43	295C, 302C, 309C, 316C, 323C, 330C, 337C, 344C, 351C, 358C, 365C 372C, 379C, 386C, 393C, 400C, 407C, 414C, 421C, 428C, 435C, 442C 449C, 456C, 463C, 470C, 477C, 484C, 491C, 497C
C91378	T	105	APPEARANCE	
			MALOCCLUSION	351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435 442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512, 519, 526 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617 624, 631, 638, 645, 652, 659, 663
			THIN	663, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 732
			DISCHARGE	
			NASAL	
			RED IN COLOR	663, 666, 673, 680
			EXCRETION	
			FEW FECES	666, 673, 680
			NO FECES	663
			SKIN & PELAGE	
			BROWN HAIR COAT	
			VENTRAL-ABDOMINAL	663, 666, 673, 680
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91378	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344
C91379	3	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 94
C91380	T	105	APPEARANCE	
			CONVULSIONS	498, 505
			MALOCCLUSION	253, 260, 267, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666 673, 680, 687, 694, 701, 708, 715, 719, 722, 729-730
			DISCHARGE	
			GENITAL	
			MUCOID	372, 379, 386
			EYES	
			DISCOLORED/LIGHT RED	
			EYE-RIGHT	645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715, 719, 722 729-730
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 274, 281, 288, 295, 302, 309 316, 323

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER	GROUP: F4 DOSE: 100 PPM DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91380	T	105	MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 92	638C, 645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C 715C, 719C, 722C, 729-730C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 100	694C, 701C, 708C, 715C, 719C, 722C, 729-730C

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD / QUALIFIER	FREE-TEXT COMMENT
C91313	F4	589	85	MASS(ES)	25 X 30MM
	TO	608	87	AXILLARY REGION-RIGHT WEEK 85	
		589	85	MASS(ES)	45 X 45MM
	TO	608	87	VENTRAL-ABDOMINAL WEEK 85	
		491	71	MASS(ES)	20 X 20MM
	TO	540	78	VENTRAL-ABDOMINAL-LEFT WEEK 71	
		547	79	MASS(ES)	25 X 25MM
	TO	568	82	VENTRAL-ABDOMINAL-LEFT WEEK 71	
		575	83	MASS(ES)	30 X 25MM
	TO	589	85	VENTRAL-ABDOMINAL-LEFT WEEK 71	
		596	86	MASS(ES)	30 X 25MM
				VENTRAL-ABDOMINAL-LEFT WEEK 71	
		603	87	MASS(ES)	40 X 40MM
	TO	608	87	VENTRAL-ABDOMINAL-LEFT WEEK 71	
C91314	F4	330	48	MASS(ES)	10 X 15MM
	TO	372	54	HEAD-MAXILLARY-RIGHT WEEK 48	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91314	F4	421	61	MASS(ES)	35 X 35MM
	TO	512	74	VENTRAL-CERVICAL-RIGHT	
				WEEK 61	
C91315	F4	687	99	MASS(ES)	10 X 10MM
	TO	731	105	DORSAL	
				WEEK 99	
		715	103	MASS(ES)	30 X 30MM
				DORSAL	SIDE RIGHT
				WEEK 103	
		722	104	MASS(ES)	50 X 40MM
	TO	731	105	DORSAL	SIDE RIGHT
				WEEK 103	
C91321	F4	624	90	MASS(ES)	30 X 30
	TO	631	91	DORSAL	
				WEEK 90	
		638	92	MASS(ES)	40 X 45MM
	TO	645	93	DORSAL	
				WEEK 90	
		652	94	MASS(ES)	20 X 20MM
	TO	654	94	DORSAL	
				WEEK 90	
C91323	F4	351	51	MASS(ES)	10 X 10MM
	TO	367	53	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 51	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91327	F4	582	84	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 84	10 X 10MM
		589 TO 631	85 91	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 84	15 X 15MM
		638 TO 652	92 94	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 84	15 X 25MM
		659	95	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 84	20 X 25MM
		666 TO 673	96 97	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 84	30 X 25MM
		680 TO 722	98 104	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 84	30 X 30MM
		729	105	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 84	30 X 30MM
		731	105	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 84	30 X 30MM

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91330	F4	470	68	MASS(ES)	10 X 10MM
	TO	477	69	DORSAL	
				WEEK 68	
		484	70	MASS(ES)	20 X 20MM
	TO	512	74	DORSAL	
				WEEK 68	
		519	75	MASS(ES)	25 X 25MM
	TO	582	84	DORSAL	
				WEEK 68	
		589	85	MASS(ES)	35 X 35MM
	TO	590	85	DORSAL	
				WEEK 68	
		554	80	MASS(ES)	20 X 20MM
	TO	568	82	DORSAL-CERVICAL-LEFT	
				WEEK 80	
		575	83	MASS(ES)	30 X 30MM
	TO	590	85	DORSAL-CERVICAL-LEFT	
				WEEK 80	
		589	85	MASS(ES)	15 X 15MM
	TO	590	85	VENTRAL-ABDOMINAL-LEFT	ANTERIOR
				WEEK 84	
		589	85	MASS(ES)	20 X 20MM
	TO	590	85	VENTRAL-ABDOMINAL-LEFT	POSTERIOR
				WEEK 85	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91330	F4	589	85	MASS(ES)	20 X 20 MM
	TO	590	85	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 85	
		386	56	MASS(ES)	10 X 10MM
				VENTRAL-THORACIC	
				WEEK 54	
		393	57	MASS(ES)	25 X 25MM
	TO	407	59	VENTRAL-THORACIC	
				WEEK 54	
		414	60	MASS(ES)	30 X 25MM
				VENTRAL-THORACIC	
				WEEK 54	
		421	61	MASS(ES)	40 X 30MM
				VENTRAL-THORACIC	
				WEEK 54	
		428	62	MASS(ES)	40 X 35MM
	TO	435	63	VENTRAL-THORACIC	
				WEEK 54	
		442	64	MASS(ES)	45 X 40MM
	TO	512	74	VENTRAL-THORACIC	
				WEEK 54	
		519	75	MASS(ES)	50 X 45MM
	TO	590	85	VENTRAL-THORACIC	
				WEEK 54	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91334	F4	610	88	MASS(ES)	10 X 10MM
	TO	631	91	AXILLARY REGION-LEFT	
				WEEK 86	
		638	92	MASS(ES)	20 X 20MM
	TO	666	96	AXILLARY REGION-LEFT	
				WEEK 86	
		673	97	MASS(ES)	25 X 25MM
	TO	676	97	AXILLARY REGION-LEFT	
				WEEK 86	
		680	98	MASS(ES)	30 X 30MM
	TO	705	101	AXILLARY REGION-LEFT	
				WEEK 86	
		225	33	MASS(ES)	10 X 10MM
				VENTRAL-ABDOMINAL	
				WEEK 33	
		673	97	MASS(ES)	45 X 60MM
	TO	680	98	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 97	
		687	99	MASS(ES)	60 X 60MM
	TO	705	101	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 97	
C91336	F4	638	92	MASS(ES)	10 X 10MM
	TO	666	96	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 88	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91336	F4	673	97	MASS(ES)	10 X 15MM
	TO	730	105	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 88	
C91340	F4	575	83	MASS(ES)	50 X 40MM
	TO	582	84	VENTRAL-ABDOMINAL-LEFT	APPEARS TO HAVE MIGRATED FROM
				WEEK 67	VENTRAL THORACIC
		589	85	MASS(ES)	60 X 55MM
	TO	731	105	VENTRAL-ABDOMINAL-LEFT	APPEARS TO HAVE MIGRATED FROM
				WEEK 67	VENTRAL THORACIC
		463	67	MASS(ES)	40 X 20MM
	TO	484	70	VENTRAL-THORACIC-LEFT	
				WEEK 67	
		491	71	MASS(ES)	40 X 30MM
	TO	540	78	VENTRAL-THORACIC-LEFT	
				WEEK 67	
		547	79	MASS(ES)	50 X 40MM
	TO	568	82	VENTRAL-THORACIC-LEFT	
				WEEK 67	
C91341	F4	519	75	MASS(ES)	15 X 15MM
	TO	540	78	VENTRAL-CERVICAL	POSTERIOR
				WEEK 73	
		547	79	MASS(ES)	30 X 30MM
	TO	568	82	VENTRAL-CERVICAL	POSTERIOR
				WEEK 73	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91341	F4	575	83	MASS(ES)	40 X 40MM
				VENTRAL-CERVICAL	POSTERIOR
				WEEK 73	
		582	84	MASS(ES)	45 X 45MM
				VENTRAL-CERVICAL	POSTERIOR
				WEEK 73	
		589	85	MASS(ES)	55 X 55MM
	TO	610	88	VENTRAL-CERVICAL	POSTERIOR
				WEEK 73	
		617	89	MASS(ES)	50 X 40MM
	TO	631	91	VENTRAL-CERVICAL	
				WEEK 73	
		638	92	MASS(ES)	55 X 40MM
	TO	666	96	VENTRAL-CERVICAL	
				WEEK 73	
		673	97	MASS(ES)	60 X 40MM
	TO	730	105	VENTRAL-CERVICAL	
				WEEK 73	
		519	75	MASS(ES)	ANTERIOR
	TO	568	82	VENTRAL-CERVICAL	
				WEEK 75	
		575	83	MASS(ES)	10 X 10MM
	TO	582	84	VENTRAL-CERVICAL	ANTERIOR
				WEEK 75	

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91341	F4	589	85	MASS(ES)	15 X 15MM
	TO	610	88	VENTRAL-CERVICAL	ANTERIOR
				WEEK 75	
C91344	F4	652	94	MASS(ES)	30 X 30MM
				VENTRAL-ABDOMINAL-RIGHT	
				WEEK 94	
		659	95	MASS(ES)	30 X 40MM
				VENTRAL-ABDOMINAL-RIGHT	
				WEEK 94	
		666	96	MASS(ES)	40 X 50MM
				VENTRAL-ABDOMINAL-RIGHT	
				WEEK 94	
		673	97	MASS(ES)	60 X 50MM
	TO	715	103	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 94	
C91351	F4	582	84	MASS(ES)	10 X 10MM
	TO	603	87	AXILLARY REGION-RIGHT	
				WEEK 84	
		610	88	MASS(ES)	15 X 15MM
	TO	631	91	AXILLARY REGION-RIGHT	
				WEEK 84	
		638	92	MASS(ES)	30 X 30MM
	TO	645	93	AXILLARY REGION-RIGHT	
				WEEK 84	

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91351	F4	645	93	MASS(ES) AXILLARY REGION-RIGHT WEEK 84	15 X 15MM
		645	93	MASS(ES) AXILLARY REGION-RIGHT WEEK 84	15 X 15MM
C91358	F4	421 TO 449	61 65	MASS(ES) VENTRAL-CERVICAL-LEFT WEEK 61	30 X 35MM
		456	66	MASS(ES) VENTRAL-CERVICAL-LEFT WEEK 61	50 X 35MM
		463 TO 523	67 75	MASS(ES) VENTRAL-CERVICAL-LEFT WEEK 61	50 X 40MM
C91362	F4	589 TO 603	85 87	MASS(ES) AXILLARY REGION-LEFT WEEK 85	30 X 25MM
		610 TO 631	88 91	MASS(ES) AXILLARY REGION-LEFT WEEK 85	40 X 35MM
		638 TO 666	92 96	MASS(ES) AXILLARY REGION-LEFT WEEK 85	60 X 50MM

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91362	F4	673	97	MASS(ES)	70 X 70MM
	TO	722	104	AXILLARY REGION-LEFT	
				WEEK 85	
		729	105	MASS(ES)	90 X 65MM
	TO	732	105	AXILLARY REGION-LEFT	
				WEEK 85	
		617	89	MASS(ES)	10 X 10MM
	TO	631	91	AXILLARY REGION-RIGHT	
				WEEK 89	
		638	92	MASS(ES)	15 X 20MM
	TO	645	93	AXILLARY REGION-RIGHT	
				WEEK 89	
		652	94	MASS(ES)	40 X 30MM
	TO	673	97	AXILLARY REGION-RIGHT	
				WEEK 89	
		680	98	MASS(ES)	50 X 40MM
	TO	732	105	AXILLARY REGION-RIGHT	
				WEEK 89	
C91366	F4	554	80	MASS(ES)	10 X 10MM
	TO	568	82	INGUINAL REGION-LEFT	
				WEEK 80	
		575	83	MASS(ES)	20 X 20MM
				INGUINAL REGION-LEFT	
				WEEK 80	

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD / QUALIFIER	FREE-TEXT COMMENT
C91366	F4	582	84	MASS(ES)	35 X 30MM
	TO	600	86	INGUINAL REGION-LEFT	
				WEEK 80	
		512	74	MASS(ES)	15 X 15MM
	TO	519	75	VENTRAL-ABDOMINAL-LEFT	
				WEEK 74	
		526	76	MASS(ES)	20 X 25MM
	TO	547	79	VENTRAL-ABDOMINAL-LEFT	
				WEEK 74	
		554	80	MASS(ES)	40 X 30MM
	TO	568	82	VENTRAL-ABDOMINAL-LEFT	
				WEEK 74	
		575	83	MASS(ES)	30 X 30MM
	TO	600	86	VENTRAL-ABDOMINAL-LEFT	
				WEEK 74	
C91369	F4	435	63	MASS(ES)	20 X 20MM
	TO	477	69	AXILLARY REGION-LEFT	
				WEEK 63	
		484	70	MASS(ES)	20 X 25MM
	TO	512	74	AXILLARY REGION-LEFT	
				WEEK 63	
		316	46	MASS(ES)	20 X 25MM
	TO	323	47	AXILLARY REGION-RIGHT	
				WEEK 45	

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91369	F4	330	48	MASS(ES)	35 X 30MM
	TO	365	53	AXILLARY REGION-RIGHT	
				WEEK 45	
		372	54	MASS(ES)	35 X 40MM
	TO	400	58	AXILLARY REGION-RIGHT	
				WEEK 45	
		407	59	MASS(ES)	40 X 40MM
				AXILLARY REGION-RIGHT	
				WEEK 45	
		414	60	MASS(ES)	45 X 45MM
				AXILLARY REGION-RIGHT	
				WEEK 45	
		421	61	MASS(ES)	45 X 50MM
				AXILLARY REGION-RIGHT	
				WEEK 45	
		428	62	MASS(ES)	65 X 60MM
	TO	477	69	AXILLARY REGION-RIGHT	
				WEEK 45	
		484	70	MASS(ES)	65 X 65MM
	TO	491	71	AXILLARY REGION-RIGHT	
				WEEK 45	
		498	72	MASS(ES)	55 X 55MM
	TO	512	74	AXILLARY REGION-RIGHT	
				WEEK 45	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91369	F4	484	70	MASS(ES)	20 X 20MM
	TO	512	74	VENTRAL-THORACIC-LEFT	
				WEEK 67	
C91376	F4	694	100	MASS(ES)	10 X 10MM
	TO	730	105	AXILLARY REGION-LEFT	
				WEEK 100	
		729	105	MASS(ES)	THREE MASSES UNDER 10MM
	TO	730	105	INGUINAL REGION-LEFT	
				WEEK 105	
C91377	F4	295	43	MASS(ES)	10 X 10MM
	TO	302	44	VENTRAL-CERVICAL-RIGHT	
				WEEK 43	
		309	45	MASS(ES)	25 X 20MM
	TO	344	50	VENTRAL-CERVICAL-RIGHT	
				WEEK 43	
		351	51	MASS(ES)	40 X 30MM
	TO	365	53	VENTRAL-CERVICAL-RIGHT	
				WEEK 43	
		372	54	MASS(ES)	40 X 50MM
	TO	400	58	VENTRAL-CERVICAL-RIGHT	
				WEEK 43	
		407	59	MASS(ES)	55 X 55MM
				VENTRAL-CERVICAL-RIGHT	
				WEEK 43	

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91377	F4	414	60	MASS(ES) VENTRAL-CERVICAL-RIGHT WEEK 43	60 X 60MM
		421	61	MASS(ES) VENTRAL-CERVICAL-RIGHT WEEK 43	70 X 65MM
		428 TO 497	62 71	MASS(ES) VENTRAL-CERVICAL-RIGHT WEEK 43	90 X 85MM
C91380	F4	638 TO 666	92 96	MASS(ES) AXILLARY REGION-LEFT WEEK 92	25 X 30MM
		673 TO 730	97 105	MASS(ES) AXILLARY REGION-LEFT WEEK 92	35 X 30MM
		694 TO 730	100 105	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 100	35 X 35MM

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER	GROUP: F5 DOSE: 300 PPM DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91381	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91382	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91383	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91384	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91385	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91386	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91387	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91388	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91389	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER	GROUP: F5 DOSE: 300 PPM DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91390	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91391	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91392	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91393	2	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 54
C91394	2	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 54
C91395	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91396	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91397	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91398	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER	GROUP: F5 DOSE: 300 PPM DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91399	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91400	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91401	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91402	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91403	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91404	2	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 54
C91405	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91406	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91407	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER	GROUP: F5 DOSE: 300 PPM DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91408	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91409	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91410	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91411	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91412	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91413	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91414	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91415	2	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 54
C91416	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER (GROUP: F5 DOSE: 300 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91417	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91418	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91419	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91420	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91421	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91422	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91423	1	4	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 24
C91424	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91425	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER	GROUP: F5 DOSE: 300 PPM DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91426	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91427	1	4	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 24
C91428	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91429	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91430	1	4	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 24
C91431	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91432	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91433	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91434	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER	GROUP: F5 DOSE: 300 PPM DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91435	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91436	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91437	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91438	2	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 54
C91439	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91440	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91441	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91442	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91443	1	4	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 24

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER (GROUP: F5 DOSE: 300 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91444	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91445	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91446	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91447	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91448	1	4	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 24
C91449	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91450	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91451	U	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 92	638C, 645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C 715C, 722C, 729C, 732C
			INGUINAL REGION-LEFT	
			WEEK 98	680, 687, 694, 701, 708C, 715C, 722C, 729C, 732C
C91452	M	74	APPEARANCE	
			THIN	512
			SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL-RIGHT	512
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288
			MASS(ES)	
			VENTRAL-CERVICAL-LEFT	
			WEEK 43	295C, 302C, 309C, 316C, 323C, 330C, 337C, 344C, 351C, 358C, 365C 372C, 379C, 386C, 393C, 400C, 407C, 414C, 421C, 428C, 435C, 442C

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER	GROUP: F6 DOSE: 100 PPM DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91452	M	74	MASS(ES)	
			VENTRAL-CERVICAL-LEFT	
			WEEK 43	449C, 456C, 463C, 470C, 477C, 484C, 491C, 498C, 505C, 512C
C91453	U	105	APPEARANCE	
			THIN	715, 722, 729, 732
			DISCHARGE	
			NASAL	
			RED IN COLOR	729, 732
			SKIN & PELAGE	
			SORE/SCAB	
			PAWS-HIND	680, 687, 694, 701, 708, 715, 722, 729, 732
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91454	M	83	EXCRETION	
			NO FECES	566, 568, 575, 578
			RESPIRATION	
			AUDIBLE	578
			LABORED	578
			SKIN & PELAGE	
			BROWN HAIR COAT	
			PERINEAL AREA	578
			RED HAIR COAT	
			DORSAL-CERVICAL	566, 568, 575, 578
			HEAD-CRANIAL	330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505 512, 519, 526, 533, 540, 547, 566, 568, 575, 578
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 554, 561
C91455	U	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 708, 715, 722 729, 732

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91455	U	105	MASS(ES)	
			INGUINAL REGION-LEFT	
			WEEK 92	638C, 645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C
C91456	M	77	APPEARANCE	
			MALOCCLUSION	484, 491, 498, 505, 512, 519, 526, 533
			EXCRETION	
			FEW FECES	533
			NO FECES	533
			EYES	
			RED DISCHARGE	
			EYES	533
			SKIN & PELAGE	
			YELLOW HAIR COAT	533
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91457	M	96	BEHAVIOR	
			HYPOACTIVE	667
			DISCHARGE	
			NASAL	
			RED IN COLOR	667
			RESPIRATION	
			LABORED	667
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575
			MASS(ES)	
			INGUINAL REGION-RIGHT	
			WEEK 84	582, 589, 596, 603, 610, 617, 624, 631C, 638C, 645C, 652C, 659C 666-667C
C91458	M	63	APPEARANCE	
			PROLAPSED	
			VAGINA	435
			DISCHARGE	
			GENITAL	
			RED IN COLOR	428

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91458	M	63	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421
			MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 62	428, 435
C91459	U	105	APPEARANCE	
			MALOCCLUSION	267, 274, 281, 288, 295, 302, 309, 316, 323, 330, 337, 344, 351 358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442 449, 456, 463, 470, 477, 484, 491, 498, 505, 512, 519, 526, 533 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624 631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715 722, 729, 732
			SKIN & PELAGE	
			SORE/SCAB	
			PAWS-HIND	638, 645, 652, 659, 666, 673, 680, 687, 694, 701
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260
			MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 102	708, 715, 722, 729C, 732C

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91460	D	62	APPEARANCE	
			SWOLLEN	
			VENTRAL-ABDOMINAL	421, 428-429
			THIN	400, 407, 414, 421, 428-429
			DISCHARGE	
			GENITAL	
			RED IN COLOR	372, 379, 386
			EXCRETION	
			NONFORMED FECES	428-429
			SKIN & PELAGE	
			PALE	
			ENTIRE BODY	421, 428-429
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 393
			MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 59	407C, 414C, 421C, 428-429C

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91461	M	86	APPEARANCE	
			HEAD TILT	
			LEFT	596, 600
			MALOCCLUSION	43, 50, 57, 64, 71, 78, 85
			THIN	600
			SKIN & PELAGE	
			SORE/SCAB	
			DORSAL	463, 470, 477, 484, 491, 498, 505, 509, 512, 519, 526, 533, 540 547, 554, 561, 568, 575, 582, 589, 596, 600
			YELLOW HAIR COAT	582, 589, 596, 600
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 92, 99, 106, 113, 120, 127, 134, 141, 148 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232, 239 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323, 330 337, 344
			MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 51	351C, 358C, 365C, 372C, 379C, 386C, 393C, 400C, 407C, 414C, 421C 428C, 435C, 442C, 449C, 456C, 463C, 470C, 477C, 484C, 491C, 498C 505C, 509C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C 575C, 582C, 589C, 596C, 600C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 84	582, 589, 596, 600

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91462	U	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 732
C91463	M	87	BEHAVIOR	
			HYPOACTIVE	608
			RECUMBENT	
			LATERAL	608
			EYES	
			RED DISCHARGE	
			EYES	596, 608
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 71	491, 498, 505, 512, 519, 526, 533, 540, 547, 554C, 561C, 568C 575C, 582C, 589C, 596C, 603C, 608C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 66	456C, 463C, 470C, 477C, 484C, 491C, 498C, 505C, 512C, 519C, 526C

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91463	M	87	MASS(ES)	
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 66	533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C, 596C, 603C 608C
C91464	M	74	APPEARANCE	
			THIN	498, 505, 512
			EXCRETION	
			FEW FECES	505
			NO FECES	498
			EYES	
			RED DISCHARGE	
			EYE-LEFT	498, 505
			SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL-RIGHT	498, 505, 512
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232
			MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 35	239, 246, 253, 260C, 267C, 274C, 281C, 288C, 295C, 302C, 309C 316C, 323C, 330C, 337C, 344C, 351C, 358C, 365C, 372C, 379C, 386C 393C, 400C, 407C, 414C, 421C, 428C, 435C, 442C, 449C, 456C, 463C 470C, 477C, 484C, 491C, 498C, 505C, 512C

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	SEX	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91465	M		90	APPEARANCE	
				DEHYDRATED	617, 624
				MALOCCLUSION	386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624
				SWOLLEN	
				NOSE	134
				THIN	582, 589, 596, 603, 610, 617, 624
				EXCRETION	
				FEW FECES	547, 554, 561, 568, 575
				SKIN & PELAGE	
				SORE/SCAB	
				HEAD-ENTIRE	134, 141
				YELLOW HAIR COAT	554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624
				NORMAL	
				NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379
C91466	M		93	BEHAVIOR	
				HYPOACTIVE	642, 645-647
				DISCHARGE	
				NASAL	
				RED IN COLOR	647
				EXCRETION	
				FEW FECES	642, 645

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	CODE	DEATH WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER	GROUP: F6 DOSE: 100 PPM DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91466	M	93	EXCRETION	
			NO FECES	646-647
			EYES	
			RED DISCHARGE	
			EYES	642, 645-647
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	642, 645-647
			SORE/SCAB	
			PAW-HIND-LEFT	631, 638, 642, 645-647
			YELLOW HAIR COAT	647
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596
			MASS(ES)	
			INGUINAL REGION-LEFT	
			WEEK 87	603, 610, 617, 624, 631

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91467	U	105	SKIN & PELAGE	
			ROUGH HAIR COAT	358, 365
			SCALY SKIN	
			TAIL	456, 463, 470, 477, 484, 491, 498, 505, 512, 519, 526, 533, 540 547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631 638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715, 722 729, 732
			SORE/SCAB	
			LIMBS-HIND	673, 680, 687, 694, 701, 708, 715, 722, 729, 732
			PAW-HIND-LEFT	617, 624, 631, 638, 645, 652, 659, 666
			PAWS-HIND	211, 218, 225, 232
			TAIL	197, 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281 288, 295, 302, 309, 316, 323, 330, 337, 344
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 351 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442, 449
C91468	D	64	APPEARANCE	
			MALOCCLUSION	106, 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190 197, 204, 211, 213, 218, 225, 232, 239, 246, 253, 260, 267, 274 281, 288, 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442
			THIN	213, 218, 225, 232, 239, 246, 253, 260
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91469	D	72	EXCRETION	
			FEW FECES	498, 500
			EYES	
			RED DISCHARGE	
			EYE-LEFT	498, 500
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	372, 379, 386, 393, 400, 407, 414, 421, 428, 498, 500
			PERINEAL AREA	498, 500
			ROUGH HAIR COAT	498, 500
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 435, 442 449, 456, 463, 470, 477, 484, 491
C91470	M	69	APPEARANCE	
			HUNCHED	477
			THIN	477
			BEHAVIOR	
			HYPOACTIVE	477
			EXCRETION	
			FEW FECES	477
			NO FECES	477

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91470	M	69	EYES	
			PALE	
			EYES	477
			RED DISCHARGE	
			EYES	477
			RESPIRATION	
			AUDIBLE	477
			SKIN & PELAGE	
			BROWN HAIR COAT	
			GENERALIZED	477
			COLD TO TOUCH	
			ENTIRE BODY	477
			RED HAIR COAT	
			HEAD-ENTIRE	477
			VENTRAL-ABDOMINAL	477
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91471	M	97	APPEARANCE	
			THIN	673, 675
			EXCRETION	
			NO FECES	675
			EYES	
			RED DISCHARGE	
			EYES	673, 675
			SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL	526, 533
			VENTRAL-ABDOMINAL-RIGHT	638, 645, 652, 659
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 337, 344, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456 463, 470, 477, 484, 491, 498, 505, 540, 547, 554, 561, 568, 575 582, 589, 596, 603, 610, 617, 624, 631, 666
			MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 44	302, 309, 316, 323, 330
			WEEK 74	512C, 519C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 51	351, 358, 365, 372, 379, 386
			VENTRAL-CERVICAL-LEFT	
			WEEK 48	330

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91472	M	98	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456
			MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 67	463C, 470C, 477C, 484C, 491C, 498C, 505C, 512C, 519C, 526C, 533C 540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C 617C, 624C, 631C, 638C, 641C, 645C, 652C, 659C, 666C, 673C, 680C
C91473	U	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 87	603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687 694, 701, 708C, 715C, 722C, 729C, 732C
			VENTRAL-CERVICAL-LEFT	
			WEEK 87	603, 610, 617, 624, 631, 638C, 645C, 652C, 659C, 666C, 673C 680C, 687C, 694C, 701C

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91474	M	93	APPEARANCE	
			HEAD TILT	
			LEFT	638, 645
			MALOCCLUSION	120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645
			THIN	617, 624, 631, 638, 645
			BEHAVIOR	
			HYPOACTIVE	638, 645
			EXCRETION	
			NO FECES	183
			SKIN & PELAGE	
			ALOPECIA	617, 624, 631
			ROUGH HAIR COAT	358, 365, 372
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91475	M	100	APPEARANCE	
			SWOLLEN	
			VENTRAL-ABDOMINAL	582, 589, 596
			DISCHARGE	
			GENITAL	
			RED IN COLOR	288, 358, 365, 372, 379, 386, 547, 554, 582
			EXCRETION	
			NO FECES	694, 697
			NONFORMED FECES	603, 610
			EYES	
			CLEAR DISCHARGE	
			EYE-RIGHT	316, 323, 491, 498, 505, 512, 519, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 697
			RED DISCHARGE	
			EYE-RIGHT	295, 302, 309
			SKIN & PELAGE	
			ALOPECIA	617, 624, 631, 638, 645, 652
			BROWN HAIR COAT	
			VENTRAL-ABDOMINAL	694
			PALE	
			ENTIRE BODY	358, 365, 372, 379, 386
			RED HAIR COAT	
			PERINEAL AREA	697
			ROUGH HAIR COAT	358, 365, 372
			SORE/SCAB	
			LIMBS-HIND	673, 680, 687, 694, 697
			PAW-HIND-RIGHT	421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER	GROUP: F6 DOSE: 100 PPM DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91475	M	100	SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-RIGHT	603, 610, 617, 624, 631, 638, 645, 652, 659, 666
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 330 337, 344, 351, 393, 400, 407, 414
C91476	M	80	APPEARANCE	
			THIN	547
			BEHAVIOR	
			HYPOACTIVE	557
			DISCHARGE	
			NASAL	
			RED IN COLOR	547
			EXCRETION	
			FEW FECES	533, 540
			NO FECES	557
			EYES	
			RED DISCHARGE	
			EYES	533, 540, 547, 554, 557
			RESPIRATION	
			AUDIBLE	557
			IRREGULAR	557

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91476	M	80	SKIN & PELAGE	
			YELLOW HAIR COAT	554, 557
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526
C91477	M	86	APPEARANCE	
			THIN	547, 554, 561, 568, 575, 582, 589, 596
			BEHAVIOR	
			HYPOACTIVE	589, 596
			EYES	
			RED DISCHARGE	
			EYES	582, 589, 596
			SQUINTED	
			PERI-ORBITAL	582, 589, 596
			SKIN & PELAGE	
			YELLOW HAIR COAT	582, 589, 596
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91477	M	86	MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 46	316C, 323C, 330C, 337C, 344C, 351C, 358C, 365C, 372C, 379C, 386C 393C, 400C, 407C, 414C, 421C, 428C, 435C, 442C, 449C, 456C, 463C 470C, 477C, 484C, 491C, 498C, 505C, 512C, 519C, 526C, 533C, 540C 547C, 554C, 561C, 568C, 575C, 582C, 589C, 596C
C91478	D	85	SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-CRANIAL	582, 589, 593
			SORE/SCAB	
			DORSAL-THORACIC-LEFT	547, 554, 561, 568, 575, 582, 589, 593
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 78	540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C, 593C

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91479	U	105	EYES	
			RED DISCHARGE	
			EYE-LEFT	428, 435, 442, 449
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 456, 463, 470, 477, 484, 491, 498 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680 687, 694, 701, 708, 715, 722, 729, 732
C91480	U	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 732
C91481	M	73	APPEARANCE	
			HUNCHED	509
			THIN	509
			BEHAVIOR	
			ATAXIC	509

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91481	M	73	EXCRETION	
			FEW FECES	491
			SKIN & PELAGE	
			BLUE SKIN	
			VENTRAL-ABDOMINAL	509
			RED HAIR COAT	
			HEAD-ENTIRE	470
			SORE/SCAB	
			VENTRAL-ABDOMINAL	509
			YELLOW HAIR COAT	470, 477
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414
			MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 61	421C, 428C, 435C, 442C, 449C, 456C, 463C, 470C, 477C, 484C, 491C 498C, 505C, 509C
C91482	M	93	APPEARANCE	
			DEHYDRATED	617, 624, 631, 638
			HEAD TILT	
			RIGHT	638, 642, 645
			HUNCHED	642, 645
			THIN	582, 589, 596, 603, 609-610, 617, 624, 631, 638, 642, 645

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91482	M	93	BEHAVIOR	
			ATAXIC	642, 645
			EXCRETION	
			FEW FECES	617, 624
			EYES	
			PALE	
			EYES	642, 645
			RED DISCHARGE	
			EYES	575, 582, 589, 596, 603, 609-610, 617, 624, 631, 638, 642, 645
			SKIN & PELAGE	
			ALOPECIA	617, 624, 631
			ROUGH HAIR COAT	617, 624, 631, 638, 642, 645
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484 491
			MASS(ES)	
			MOUTH	
			WEEK 56	386, 393
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 72	498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C 575C, 582C, 589C, 596C, 603C, 609-610C, 617C, 624C, 631C, 638C 642C, 645C

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91483	D	96	APPEARANCE	
			MALOCCLUSION	393, 400, 407
			SWOLLEN	
			LIMB-HIND-RIGHT	603, 610, 617, 624, 631, 638, 645, 652, 659, 666
			EYES	
			RED DISCHARGE	
			EYE-RIGHT	260, 267, 274, 281, 288, 295, 302, 309, 316, 323, 330, 337, 344 351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435 442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512, 519, 526 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617 624, 631, 638, 645, 652, 659, 666
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253
C91484	M	71	APPEARANCE	
			HUNCHED	488, 491
			MALOCCLUSION	141, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 488, 491
			THIN	477, 484, 488, 491
			BEHAVIOR	
			HYPOACTIVE	488, 491
			SKIN & PELAGE	
			COLD TO TOUCH	
			ENTIRE BODY	491

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91484	M	71	SKIN & PELAGE	
			PALE	
			ENTIRE BODY	488, 491
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134
C91485	U	105	APPEARANCE	
			MALOCCLUSION	99, 106, 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183 190, 197, 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274 281, 288, 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456 463, 470, 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729 732
			DISCHARGE	
			GENITAL	
			RED IN COLOR	281, 288
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91486	M	92	APPEARANCE	
			BENT TAIL	134
			DEHYDRATED	617, 624, 631, 638
			MISSING	
			TAIL-PROXIMAL	141, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498 505, 512, 519, 526, 533, 540, 547, 554, 561, 564, 568, 575, 582 589, 596, 603, 610, 617, 624, 631, 638, 640
			SWOLLEN	
			MOUTH	617, 624, 631, 638, 640
			THIN	603, 610, 617, 624, 631, 638, 640
			BEHAVIOR	
			ATAXIC	610, 617, 624, 631, 638, 640
			HYPOACTIVE	640
			EXCRETION	
			FEW FECES	564, 568, 575, 617, 624, 631, 638, 640
			EYES	
			OPAQUE	
			EYE-RIGHT	29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113, 120, 127 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 564, 568, 575 582, 589, 596, 603, 610, 617, 624, 631, 638, 640

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91486	M	92	SKIN & PELAGE	
			PALE	
			ENTIRE BODY	564, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 640
			YELLOW HAIR COAT	610, 617, 624, 631, 638, 640
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22
C91487	U	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 732
C91488	U	105	APPEARANCE	
			MALOCCLUSION	477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 732
			SKIN & PELAGE	
			SORE/SCAB	
			DORSAL-THORACIC-LEFT	554, 561, 568, 575
			NORMAL	
			NO REMARKABLE OBSERVATIONS	8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F6 DOSE: 100 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91488	U	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470
C91489	D	81	DISCHARGE	
			NASAL	
			RED IN COLOR	120
			SKIN & PELAGE	
			ALOPECIA	120
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505, 512, 519, 526, 533, 540
			MASS(ES)	
			VENTRAL-CERVICAL-LEFT	
			WEEK 79	547C, 554C, 561C
C91490	M	83	APPEARANCE	
			MALOCCLUSION	428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512 519, 526, 533, 540, 547, 554, 561, 565, 568, 575
			SWOLLEN	
			MOUTH	428
			EYES	
			RED DISCHARGE	
			EYE-LEFT	358, 365, 372

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER	GROUP: F6 DOSE: 100 PPM DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C91490	M	83	SKIN & PELAGE	
			BROWN HAIR COAT	
			GENERALIZED	456, 463
			BLACK SKIN	
			VENTRAL-THORACIC-RIGHT	540, 547
			ROUGH HAIR COAT	358, 365, 372, 379, 386, 393, 400, 407
			SORE/SCAB	
			MOUTH	435, 442, 449, 540, 547
			VENTRAL-ABDOMINAL	547, 554, 561, 565, 568, 575
			VENTRAL-THORACIC-RIGHT	565, 568, 575
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 414, 421
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 68	470C, 477C, 484C, 491C
			VENTRAL-THORACIC-RIGHT	
			WEEK 75	519C, 526C, 533C, 540C, 547C, 554C, 561C, 565C, 568C, 575C

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91451	F6	638	92	MASS(ES)	10 X 10MM
	TO	666	96	AXILLARY REGION-RIGHT	
				WEEK 92	
		673	97	MASS(ES)	20 X 20MM
	TO	701	101	AXILLARY REGION-RIGHT	
				WEEK 92	
		708	102	MASS(ES)	30 X 25MM
	TO	722	104	AXILLARY REGION-RIGHT	
				WEEK 92	
		729	105	MASS(ES)	30 X 30MM
	TO	732	105	AXILLARY REGION-RIGHT	
				WEEK 92	
		708	102	MASS(ES)	10 X 10MM
				INGUINAL REGION-LEFT	
				WEEK 98	
		715	103	MASS(ES)	15 X 15MM
	TO	722	104	INGUINAL REGION-LEFT	
				WEEK 98	
		729	105	MASS(ES)	15 X 20MM
	TO	732	105	INGUINAL REGION-LEFT	
				WEEK 98	
C91452	F6	295	43	MASS(ES)	15 X 15MM
	TO	302	44	VENTRAL-CERVICAL-LEFT	
				WEEK 43	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91452	F6	309	45	MASS(ES)	20 X 20MM
	TO	323	47	VENTRAL-CERVICAL-LEFT	
				WEEK 43	
		330	48	MASS(ES)	25 X25MM
	TO	379	55	VENTRAL-CERVICAL-LEFT	
				WEEK 43	
		386	56	MASS(ES)	35 X 25MM
	TO	407	59	VENTRAL-CERVICAL-LEFT	
				WEEK 43	
		414	60	MASS(ES)	40 X 30MM
	TO	477	69	VENTRAL-CERVICAL-LEFT	
				WEEK 43	
		484	70	MASS(ES)	40 X 40MM
	TO	491	71	VENTRAL-CERVICAL-LEFT	
				WEEK 43	
		498	72	MASS(ES)	70 X 60MM
				VENTRAL-CERVICAL-LEFT	
				WEEK 43	
		505	73	MASS(ES)	80 X 70MM
	TO	512	74	VENTRAL-CERVICAL-LEFT	
				WEEK 43	
C91455	F6	638	92	MASS(ES)	10 X 10MM
	TO	701	101	INGUINAL REGION-LEFT	
				WEEK 92	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD / QUALIFIER	FREE-TEXT COMMENT
C91457	F6	631	91	MASS(ES) INGUINAL REGION-RIGHT WEEK 84	10 X 10MM
		638 TO 667	92 TO 96	MASS(ES) INGUINAL REGION-RIGHT WEEK 84	15 X 15MM
C91459	F6	729 TO 732	105 TO 105	MASS(ES) VENTRAL-ABDOMINAL WEEK 102	20 X 15MM
C91460	F6	407 TO 429	59 TO 62	MASS(ES) VENTRAL-ABDOMINAL WEEK 59	40 X 40MM
C91461	F6	351 TO 600	51 TO 86	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 51	10 X 10MM
C91463	F6	554 TO 568	80 TO 82	MASS(ES) AXILLARY REGION-LEFT WEEK 71	10 X 10MM
		575 TO 608	83 TO 87	MASS(ES) AXILLARY REGION-LEFT WEEK 71	20 X 20MM
		456	66	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 66	10 X 15MM

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91463	F6	463	67	MASS(ES)	20 X 30MM
	TO	477	69	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 66	
		484	70	MASS(ES)	25 X 40MM
	TO	491	71	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 66	
		498	72	MASS(ES)	25 X 25MM
	TO	582	84	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 66	
		589	85	MASS(ES)	25 X 30MM
	TO	608	87	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 66	
C91464	F6	260	38	MASS(ES)	15 X 10MM
				VENTRAL-ABDOMINAL	
				WEEK 35	
		267	39	MASS(ES)	15 X 10MM
	TO	281	41	VENTRAL-ABDOMINAL	
				WEEK 35	
		288	42	MASS(ES)	25 X 20MM
	TO	407	59	VENTRAL-ABDOMINAL	
				WEEK 35	
		414	60	MASS(ES)	30 X 25MM
	TO	491	71	VENTRAL-ABDOMINAL	
				WEEK 35	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD / QUALIFIER	FREE-TEXT COMMENT
C91464	F6	498	72	MASS(ES)	40 X 40MM
	TO	512	74	VENTRAL-ABDOMINAL WEEK 35	
C91471	F6	512	74	MASS(ES)	10 X 10MM
	TO	519	75	VENTRAL-ABDOMINAL WEEK 74	
C91472	F6	463	67	MASS(ES)	30 X 30MM
	TO	477	69	VENTRAL-ABDOMINAL-LEFT WEEK 67	
		484	70	MASS(ES)	30 X 40MM
				VENTRAL-ABDOMINAL-LEFT WEEK 67	
		491	71	MASS(ES)	40 X 50MM
				VENTRAL-ABDOMINAL-LEFT WEEK 67	
		498	72	MASS(ES)	50 X 60MM
	TO	512	74	VENTRAL-ABDOMINAL-LEFT WEEK 67	
		519	75	MASS(ES)	55 X 75MM
	TO	533	77	VENTRAL-ABDOMINAL-LEFT WEEK 67	
		540	78	MASS(ES)	75 X 75MM
				VENTRAL-ABDOMINAL-LEFT WEEK 67	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91472	F6	547	79	MASS(ES)	80 X 75MM
	TO	554	80	VENTRAL-ABDOMINAL-LEFT	
				WEEK 67	
		561	81	MASS(ES)	80 X 80MM
	TO	568	82	VENTRAL-ABDOMINAL-LEFT	
				WEEK 67	
		575	83	MASS(ES)	80 X 90MM
	TO	582	84	VENTRAL-ABDOMINAL-LEFT	
				WEEK 67	
		589	85	MASS(ES)	90 X 100MM
	TO	631	91	VENTRAL-ABDOMINAL-LEFT	
				WEEK 67	
		638	92	MASS(ES)	100 X 115MM
	TO	680	98	VENTRAL-ABDOMINAL-LEFT	
				WEEK 67	
C91473	F6	708	102	MASS(ES)	20 X 20MM
	TO	732	105	AXILLARY REGION-LEFT	
				WEEK 87	
		638	92	MASS(ES)	10 X 10MM
	TO	701	101	VENTRAL-CERVICAL-LEFT	
				WEEK 87	
C91477	F6	316	46	MASS(ES)	10 X 10MM
	TO	323	47	VENTRAL-ABDOMINAL-LEFT	
				WEEK 46	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91477	F6	330	48	MASS(ES)	20 X 20MM
	TO	344	50	VENTRAL-ABDOMINAL-LEFT	
				WEEK 46	
		351	51	MASS(ES)	25 X 25MM
				VENTRAL-ABDOMINAL-LEFT	
				WEEK 46	
		358	52	MASS(ES)	25 X 35MM
	TO	365	53	VENTRAL-ABDOMINAL-LEFT	
				WEEK 46	
		372	54	MASS(ES)	35 X 40MM
	TO	407	59	VENTRAL-ABDOMINAL-LEFT	
				WEEK 46	
		414	60	MASS(ES)	45 X 45MM
	TO	421	61	VENTRAL-ABDOMINAL-LEFT	
				WEEK 46	
		428	62	MASS(ES)	55 X 50MM
				VENTRAL-ABDOMINAL-LEFT	
				WEEK 46	
		435	63	MASS(ES)	55 X 60MM
	TO	512	74	VENTRAL-ABDOMINAL-LEFT	
				WEEK 46	
		519	75	MASS(ES)	70 X 75MM
				VENTRAL-ABDOMINAL-LEFT	
				WEEK 46	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91477	F6	526	76	MASS(ES)	60 X 55MM
	TO	533	77	VENTRAL-ABDOMINAL-LEFT	
				WEEK 46	
		540	78	MASS(ES)	60 X 65MM
	TO	582	84	VENTRAL-ABDOMINAL-LEFT	
				WEEK 46	
		589	85	MASS(ES)	60 X 70MM
	TO	596	86	VENTRAL-ABDOMINAL-LEFT	
				WEEK 46	
C91478	F6	540	78	MASS(ES)	20 X 30MM
				AXILLARY REGION-LEFT	
				WEEK 78	
		547	79	MASS(ES)	30 X 40MM
	TO	568	82	AXILLARY REGION-LEFT	
				WEEK 78	
		575	83	MASS(ES)	70 X 60MM
	TO	582	84	AXILLARY REGION-LEFT	
				WEEK 78	
		589	85	MASS(ES)	70 X 70MM
	TO	593	85	AXILLARY REGION-LEFT	
				WEEK 78	
C91481	F6	421	61	MASS(ES)	15 X 15MM
	TO	428	62	VENTRAL-ABDOMINAL-LEFT	
				WEEK 61	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91481	F6	435	63	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 61	30 X 20MM
		442 TO 449	64 65	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 61	35 X 20MM
		456 TO 498	66 72	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 61	40 X 25MM
		505	73	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 61	40 X 35MM
		509 TO 509	73 73	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 61	50 X 40MM
C91482	F6	498 TO 526	72 76	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 72	15 X 15MM
		533 TO 547	77 79	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 72	20 X 20MM
		554 TO 589	80 85	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 72	30 X 20MM

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C91482	F6	596	86	MASS(ES)	30 X 30MM
	TO	631	91	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 72	
		638	92	MASS(ES)	30 X 35MM
	TO	645	93	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 72	
C91489	F6	547	79	MASS(ES)	20 X 10MM
				VENTRAL-CERVICAL-LEFT	
				WEEK 79	
		554	80	MASS(ES)	20 X 15MM
	TO	561	81	VENTRAL-CERVICAL-LEFT	
				WEEK 79	
C91490	F6	470	68	MASS(ES)	20 X 20MM
	TO	491	71	AXILLARY REGION-RIGHT	
				WEEK 68	
		519	75	MASS(ES)	20 X 20MM
	TO	526	76	VENTRAL-THORACIC-RIGHT	
				WEEK 75	
		533	77	MASS(ES)	50 X 50MM
	TO	540	78	VENTRAL-THORACIC-RIGHT	
				WEEK 75	
		547	79	MASS(ES)	20 X 30MM
	TO	575	83	VENTRAL-THORACIC-RIGHT	
				WEEK 75	

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER (GROUP: F7 DOSE: 300 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91491	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91492	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91493	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91494	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91495	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91496	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91497	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91498	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91499	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER (GROUP: F7 DOSE: 300 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91500	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91501	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91502	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91503	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91504	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91505	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91506	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91507	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91508	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER (GROUP: F7 DOSE: 300 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91509	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91510	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91511	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91512	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91513	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91514	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91515	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91516	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91517	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER (GROUP: F7 DOSE: 300 PPM)	DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91518	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91519	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91520	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91521	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91522	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91523	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91524	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91525	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91526	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER	GROUP: F7 DOSE: 300 PPM DAYS 1-732 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C91527	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91528	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91529	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C91530	6	8	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50

COVANCE
THE DEVELOPMENT SERVICES COMPANY

Sponsor:

3M
St. Paul, Minnesota

FINAL REPORT

Study Title:

104-Week Dietary Carcinogenicity Study with Narrow Range (98.1%) N-Ethyl Perfluorooctanesulfonamido Ethanol in Rats

Author:

Peter J. Thomford, PhD

Study Completion Date:

December 13, 2001

Testing Facility:

Covance Laboratories Inc.
3301 Kinsman Boulevard
Madison, Wisconsin 53704-2595

Laboratory Study Identification:

Covance 6329-212

Sponsor Study Identification:

3M T-6316.1

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Individual Body Weight Data (g)

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 1 - 0 PPM										
C90711	267	313	357	386	402	431	446	467	480	494
C90712	253	304	345	376	403	425	445	462	475	492
C90713	280	329	372	413	444	475	495	515	531	554
C90714	251	292	326	363	389	415	440	456	478	498
C90715	310	350	393	423	438	459	478	492	508	528
C90716	235	282	326	358	388	411	435	450	470	486
C90717	278	319	362	403	428	448	481	496		
C90718	252	292	339	380	410	433	462	478		
C90719	223	265	303	337						
C90720	280	332	380	427	462	496	519	539	551	575
C90721	288	338	387	437	487	533	569	594	628	637
C90722	246	288	325	354	378	403	414	433	452	468
C90723	271	328	383	418	453	482	511	530	540	567
C90724	257	300	339	372	398	424	448	459	477	489
C90725	258	303	345	379						
C90726	243	288	336	373	404	435	455	459	478	495
C90727	293	345	398	445	480	514	540	563	581	605
C90728	250	294	332	373	397	430	454	474	495	511
C90729	277	323	369	408	441	470	494	502	528	541
C90730	277	318	355	392	415	439	467	483	506	526
C90731	258	311	367	410	443	477	503	524	548	572
C90732	295	349	391	442						
C90733	226	278	324	363	397	429	451	473	487	511
C90734	307	366	412	459	494	524	556	576	601	618
C90735	264	306	347	373	400	423	437	449	466	477
C90736	263	302	340	370	399	429	453	474	497	513
C90737	254	298	341	378	412	444	470	486		
C90738	247	293	329	355	384	405	427	444	456	474
C90739	263	308	350	380	408	432	456	466	489	499
C90740	250	289	335	368	396	423	442	466	490	510
C90741	248	292	327	358	386	412	433	449	466	479

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 1 - 0 PPM										
C90742	245	295	332	369	402	433	461	473	488	509
C90743	267	315	359	400	432	465	493	506	536	559
C90744	274	317	354	390	415	441	461	475	490	505
C90745	246	280	312	344	373	396	415	427	439	457
C90746	269	319	367	414	444	476	504	530	560	573
C90747	261	304	344	375	399	424	437	455	472	487
C90748	284	335	374	408	431	452	477	489	503	514
C90749	230	270	312	342	368	390	404	420	434	452
C90750	246	294	335	374	402	426	441	456	472	491
C90751	259	306	348	380	401	424	445	458	474	492
C90752	301	359	414	451	484	510	536	551	578	600
C90753	257	306	346	379						
C90754	278	333	373	414	447	467	496	507	526	539
C90755	279	333	375	414	446	478	512	540	569	595
C90756	214	258	293	327	354	378	401	416		
C90757	283	336	380	425	456	486	512	534	557	567
C90758	251	296	340	380	415	446	467	488	504	520
C90759	235	281	327	372	403	429	453	468	489	499
C90760	259	309	355	389	411	440	465	474	497	511
C90761	260	305	340	370	403	428	451	466	485	502
C90762	229	277	318	346	374	402	424	440	456	472
C90763	289	344	384	427	464	492	515	529	551	569
C90764	255	300	341	380	407	429	446	459	470	490
C90765	273	332	382	423	462	490	516	540	566	591
C90766	262	310	350	388	405	432	463	481	499	504
C90767	222	259	294	333	359	393	416	428	450	467
C90768	247	287	327	360	381	405	416	421	445	459
C90769	267	316	357	397	426	452	472	484		
C90770	238	282	320	349	373	397	417	426	439	439
C90771	266	311	351	382	413	441	461	470	486	504
C90772	253	304	352	386	416	442	465	479	497	514

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 1 - 0 PPM										
C90773	259	311	361	394	425	453	476	496	514	530
C90774	257	301	343	380	404	430	450	462	481	496
C90775	262	305	344	381						
C90776	287	338	379	420	454	477	509	526	552	569
C90777	280	326	370	412	452	483	515	537	569	588
C90778	287	326	361	397	420	444	460	466	486	496
C90779	242	295	341	375	410	431	452	461	476	497
C90780	252	300	344	392	431	461	487	503	539	560
GROUP: MALE 2 - 3 PPM										
C90781	281	320	359	394	423	436	456	472	500	518
C90782	255	303	343	374	407	429	449	457	477	495
C90783	223	263	301	333	363	391	413	418	440	459
C90784	253	298	340	373	400	422	441	447	470	492
C90785	254	302	345	379	404	432	456	469	495	514
C90786	265	311	355	386	413	437	456	464	488	495
C90787	249	300	339	377	411	442	467	486	515	534
C90788	260	311	356	396	422	451	470	487	510	526
C90789	279	333	385	440						
C90790	279	328	374	417	439	476	498	513	548	566
C90791	221	263	303	335	360	388	408	419	443	454
C90792	249	295	339	380	409	443	463	482	508	530
C90793	246	295	337	373	402	429	449	464	484	500
C90794	245	297	347	385	421	452	475	493	525	544
C90795	271	318	361	392	418	441	451	469	493	512
C90796	284	332	367	398	418	433	457	472	497	511
C90797	249	295	333	373	405	435	457	476	504	520
C90798	270	320	370	410	402	434	457	474	492	521
C90799	242	288	336	368	396	419	433	449	473	484
C90800	286	332	377	414	439	474	499	518	543	562

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 2 - 3 PPM										
C90801	271	312	352	388	415	441	460	477	503	518
C90802	230	268	302	334	360	384	403	414	431	448
C90803	261	317	373	413	449	487	510	515	546	550
C90804	306	354	409	455	489	523	550	571	597	619
C90805	279	326	368	402	427	461	488	498	523	539
C90806	246	284	319	347	368	394	403	414	421	440
C90807	288	330	374	415	438	464	477	482	514	530
C90808	276	326	367	406	440	471	501	508	539	556
C90809	244	288	324	351	391	411	436	451	473	483
C90810	269	316	368	406	438	472	495	511	539	557
C90811	261	306	354	393	419	447	468	483	517	529
C90812	256	311	356	394	426	450	478	490	515	535
C90813	239	278	314	345	366	389	404	375		
C90814	235	274	312	348						
C90815	253	297	344	387	419	451	482	495	524	532
C90816	293	342	393	424	451	473	495	517	535	556
C90817	256	302	341	375						
C90818	257	302	346	387	412	442	464	478	499	515
C90819	281	331	377	418	446	477	500	510	537	551
C90820	267	313	348	383	414	445	469	482	508	523
C90821	287	339	388	438	470	506	538	553	579	597
C90822	222	259	292	327	349	377	394	408	428	445
C90823	228	270	309	344	354	384	399	409	436	451
C90824	234	288	333	378	403	436	463	469	496	511
C90825	271	318	357	396	419	451	482	500	525	543
C90826	262	310	359	393	418	455	473	498	530	540
C90827	243	291	334	379	410	439	465	485	508	528
C90828	251	303	352	400	435	464	497	508	534	556
C90829	272	325	378	418	451	483	508	526	554	581
C90830	263	312	351	393	423	457	475	489	512	530
C90831	265	314	351	385	415	444	468	485	519	540

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 2 - 3 PPM										
C90832	255	311	361	404	443	467	494	507	532	546
C90833	271	315	358	399						
C90834	273	324	378	426						
C90835	276	318	355	388	406	434	451	464	484	496
C90836	247	294	330	363	396	417	436	450	475	488
C90837	235	274	308	344	371	392	414	425	448	463
C90838	300	359	416	461	490	523	549	564	587	606
C90839	294	347	395	440	481	513	547	557	593	605
C90840	245	293	341	385	418	455	476	495	523	548
GROUP: MALE 3 - 30 PPM										
C90841	230	277	317	345	372	404	426	444	471	482
C90842	220	254	278	305	328	348	364	380	395	408
C90843	245	294	338	376	409	442	471	480	459	524
C90844	271	314	350	393	401	427	440	446	468	482
C90845	286	330	358	398	415	446	465	474	500	513
C90846	251	294	326	358						
C90847	251	290	333	371	397	419	439	448	467	486
C90848	246	288	329	369	402	432	451	467	495	514
C90849	264	312	359	398	425	456	486	494	522	541
C90850	254	289	327	358	383	405	423	439	456	468
C90851	249	293	338	381	406	433	451	457	476	486
C90852	264	307	347	381	410	431	457	463	488	498
C90853	238	273	304	337						
C90854	267	310	352	384	412	437	459	480	501	516
C90855	267	315	360	400	422	465	486	495	528	540
C90856	261	314	356	392	421	448	469	486	503	516
C90857	273	317	360	394	421	447	471	484	498	519
C90858	228	263	298	324	350	371	389	405	424	430
C90859	269	310	360	403	432	459	480	494	507	518

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 3 - 30 PPM										
C90860	234	275	312	340	361	381	394	396	414	420
C90861	269	302	339	371	400	432	453	461	483	493
C90862	206	234	267	291	308	336	350	359	374	381
C90863	286	350	409	465	500	537	562	582	607	632
C90864	263	305	344	375	394	415	433	444	467	472
C90865	252	294	325	362	382	402	421	430	451	458
C90866	295	332	364	390						
C90867	255	296	335	363	388	407	425	445	457	464
C90868	292	333	377	427	456	485	511	520	546	563
C90869	263	315	366	410	438	467	486	498	515	535
C90870	274	317	359	387	422	449	475	489	516	531
C90871	256	303	345	377	405	430	446	455	472	482
C90872	276	315	357	390	413	438	459	466	487	498
C90873	299	342	393	424	460	488	515	527	546	558
C90874	280	333	383	426	456	490	520	540	571	585
C90875	238	285	328	362	387	415	430	446	463	487
C90876	294	350	407	460	488	512	528	545	568	594
C90877	255	294	333	372	396	426	435	444	457	450
C90878	223	260	299	330	351	374	391	405	432	440
C90879	257	308	348	385	408	440	456	471	491	508
C90880	281	335	388	429	454	485	505	521	549	566
C90881	264	308	361	401	433	460	479	496	515	535
C90882	265	313	358	389	413	442	464	479	498	511
C90883	263	315	357	397	431	451	471	484	505	515
C90884	248	289	329	370	391	418	438	447	463	473
C90885	255	298	343	375	403	424	439	452	465	474
C90886	271	321	362	400	428	464	484	495	520	543
C90887	274	314	358	391	418	442	460	472	493	506
C90888	282	320	357	397	415	432	444	457	476	486
C90889	249	299	343	378	396	417	435	454	469	481
C90890	283	321	358	398						

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Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 3 - 30 PPM										
C90891	268	315	375	414						
C90892	214	234	252	277	299	323	343	359	372	385
C90893	243	286	324	355	379	409	431	440	458	471
C90894	267	310	342	363	390	419	432	451	460	475
C90895	245	283	320	344	356	381	404	420	443	456
C90896	276	314	356	387	409	428	445	458	458	477
C90897	286	327	376	418	454	489	508	529	547	567
C90898	265	302	337	374	398	426	445	459	477	484
C90899	231	264	303	334	352	376	389	404	423	429
C90900	256	290	334	374	403	431	444	459	474	487
GROUP: MALE 4 - 100 PPM										
C90901	243	278	312	340	365	389	402	414	423	431
C90902	243	284	319	346	374	396	410	421	435	444
C90903	237	273	306	332	359	379	398	409	422	431
C90904	263	304	343	368	391	410	422	439	451	457
C90905	241	276	307	337	361	378	393	406	419	428
C90906	261	292	325	358	388	411	426	443	461	484
C90907	266	299	328	361	382	410	426	437	449	456
C90908	274	315	351	383	415	436	460	472	492	495
C90909	275	325	374	411	445	468	489	513	539	546
C90910	239	276	308	341	367	392	420	434	449	458
C90911	259	297	334	361	391	415	438	453	468	487
C90912	282	323	361	396	429	459	479	497	509	527
C90913	239	283	329	366	396	419	430	393	420	456
C90914	275	326	366	404	432	462	483	504	521	533
C90915	269	308	348	388	425	451	481	494	512	522
C90916	231	268	304	331	356	374	389	404	422	430
C90917	258	306	346	385	422	450	467	483	500	503
C90918	299	341	387	415	440	468	488	508	525	528

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 4 - 100 PPM										
C90919	261	306	348	381	416	444	468	486	501	515
C90920	256	293	329	360	390	412	427	443	464	479
C90921	263	301	337	366	395	418	443	463	481	496
C90922	265	294	334	364	388	410	423	432	453	462
C90923	298	323	356	385	409	426	445	456	470	480
C90924	250	283	321	359	383	414	437	457	478	490
C90925	275	307	334	358	374	398	414	419	430	437
C90926	274	314	357	393	418	451	472	487	510	529
C90927	251	296	338	375	405	433	450	458	479	494
C90928	252	289	325	355	382	407	423	437	449	462
C90929	228	266	300	324	345	370	386	393	407	422
C90930	270	313	349	375	400	409	429	448	465	472
C90931	274	307	340	367	398	430	452	462	477	497
C90932	246	273	297	323	341	354	373	381	403	416
C90933	270	320	368	397	430	457	477	490	512	524
C90934	241	280	316	342	364	391	405	417	429	442
C90935	284	324	370	398						
C90936	235	278	319	349	368	390	410	427	441	453
C90937	254	291	333	367	391	399	424	439	444	453
C90938	222	257	296	323	349	365	381	401	421	434
C90939	247	282	316	342						
C90940	287	340	379	415	454	477	497	508	530	547
C90941	264	306	347	382	412	448	468	489	510	516
C90942	249	285	325	355						
C90943	260	301	341	370	393	413	427	440	441	461
C90944	224	255	288	316	337	356	373	388	410	423
C90945	254	287	324	348	370	392	403	422	439	446
C90946	267	305	340	370	400	432	453	459	471	483
C90947	273	304	335	363	389	406	428	437	442	453
C90948	263	303	340	368	389	411	426	434	452	465
C90949	252	283	307	330	347	352	366	360	355	344

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 4 - 100 PPM										
C90950	263	313	356	387	410	436	456	471	494	503
C90951	279	315	357	382	390	421	441	456	474	479
C90952	278	335	384	433	465	492	519	532	549	560
C90953	247	293	332	368	398	421	437	457	472	481
C90954	223	267	304	335	357	382	398	413	428	438
C90955	274	319	357	386	403	431	444	459	466	476
C90956	258	302	346	383	405	441	463	485	500	506
C90957	238	276	319	342	367	395	416	384	423	441
C90958	269	314	354	385	407	436	455	465	475	485
C90959	247	291	330	368	388	415	437	454	479	486
C90960	255	297	335	364	390	422	439	457	471	485
C90961	228	269	301	334						
C90962	273	323	365	397	423	452	475	493	509	512
C90963	279	323	367	407	435	467	481	502	516	532
C90964	298	348	402	441	474	502	524	539	561	572
C90965	228	266	304	314	348	367	382	387	402	410
C90966	295	339	387	418						
C90967	243	281	320	352	380	411	433	447	465	475
C90968	232	271	309	340	366	393	414	433	448	461
C90969	274	318	366	399	425	450	473	493	511	531
C90970	240	282	316	344	367	386	403	409	424	433
GROUP: MALE 5 - 300 PPM										
C90971	218	233	242	256	268	277	290	291		
C90972	260	274	295	312	319	325	327	326		
C90973	268	309	344	365	379	399	412	418		
C90974	250	286	317	339	356	368	384	395		
C90975	267	299	331	363	376	393	406	420		
C90976	235	269	293	313	327	340	352	354		
C90977	259	287	314	327	340	347	349	354		

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 5 - 300 PPM										
C90978	263	293	325	344	364	373	381	387		
C90979	244	271	301	322	333	351	359	372		
C90980	253	296	330	357	371	396	403	407		
C90981	257	292	326	349	360	377	391	398		
C90982	252	287	326	355	377	391	414	419		
C90983	209	227	248	257	263	273	285	281		
C90984	281	309	339	361						
C90985	247	276	300	313	322	339	340	346		
C90986	276	305	339	362	381	395	402	402		
C90987	266	297	324	341	363	376	386	399		
C90988	257	285	309	319	328	332	340	335		
C90989	268	312	349	373	399	420	430	442		
C90990	271	297	325	346	362	378	397	409		
C90991	237	272	315	337	362	377	390	401		
C90992	258	292	325	349	365	383	399	409		
C90993	277	304	336	362	384	408	415	407		
C90994	284	317	346	371	386	410	424	424		
C90995	268	298	326	348	367	382	392	403		
C90996	284	322	354	377	392	405	412	420		
C90997	269	296	324	334	345	359	368	374		
C90998	244	271	299	322	337	360	380	392		
C90999	273	303	328	345	363	378	388	392		
C91000	242	277	297	310	323	333	333	332		
C91001	275	317	350	377	407	436	453	465		
C91002	241	269	294	314	326	333	339	344		
C91003	246	282	311	325	341	354	365			
C91004	258	279	307	326	339	348	355	357		
C91005	244	274	306	322						
C91006	245	265	288	304	310	318	317	311		
C91007	252	286	315	336	357	369	383	395		
C91008	224	253	283	299	309	320	328	331		

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 5 - 300 PPM										
C91009	285	312	337	349	355	364	374	378		
C91010	257	278	304	321	EXCLUDE	342	342	350		
C91011	254	294	322	349	370	397	412	430		
C91012	239	266	292	314	327	342	344	346		
C91013	304	343	377	395	407	423	435	449		
C91014	224	253	279	299	317	335	344	355		
C91015	270	303	330	350	361	378	390	406		
C91016	252	278	306	321	334	348	356	366		
C91017	273	299	324	335	347	362	363	364		
C91018	285	327	365	393	411	430	443	463		
C91019	258	287	322	345	359	368	383	386		
C91020	238	267	290	313	324	335	343	348		
C91021	251	287	323	350	376	393	401	307		
C91022	273	307	345	367	386	408	418	433		
C91023	253	285	318	345	368	389	404	416		
C91024	210	237	270	285						
C91025		356	390	419	438	454	465	478		
C91026	268	292	319	336	359	377	386	397		
C91027	227	256	290	310	330	339	350	359		
C91028	262	299	337	356	380	406	419	430		
C91029	245	280	306	322	334	346	352			
C91030	247	280	311	331	355	374	393	404		
C91031	238	262	291	301	318	326	328	323		
C91032	240	281	324	356	378	407	418	419		
C91033	260	291	321	341						
C91034	233	267	302	329	351	371	380	390		
C91035	273	304	329	348	354	380	397	408		
C91036	261	289	306	326	338	351	357	358		
C91037	282	315	348	366						
C91038	276	301	334	348	374	385	395	405		
C91039	277	320	356	384	407	429	440	437		

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 5 - 300 PPM										
C91040	271	297	323	345	361	380	388	395		
GROUP: MALE 6 - 100 PPM										
C91041	266	312	354	386	425	452	476	502	520	542
C91042	248	292	326	351	371	395	401	416	428	440
C91043	257	291	322	344	370	396	412	430	449	462
C91044	259	298	331	358	395	414	430	447	459	468
C91045	241	298	343	384	423	448	476	497	513	528
C91046	249	297	340	374	406	440	377			
C91047	240	274	306	334	361	383	394	416	380	413
C91048	259	300	339	369	388	414	429	443	460	471
C91049	256	305	358	393	429	456	477	503	520	536
C91050	264	307	349	383	419	435	461	470	504	497
C91051	261	303	343	377	403	439	451	477	500	512
C91052	270	322	370	407	447	478	501	522	546	557
C91053	269	307	341	365	385	407	415	431	453	457
C91054	247	297	348	382	409	442	455	477	505	507
C91055	264	310	355	390	422	454	477	499	521	537
C91056	254	292	333	359	387	412	422	441	400	437
C91057	280	320	360	389	414	440	453	475	500	509
C91058	267	310	353	379	407	433	443	459	470	476
C91059	254	294	336	370	397	429	445	461	481	493
C91060	238	268	298	324	346	372	379	398	412	420
C91061	271	309	345	380	408	436	448	473	494	505
C91062	242	289	329	365	389	415	433	459	478	487
C91063	215	249	282	308	326	348	362	373	387	389
C91064	248	284	314	345	377	414	426	447	470	478
C91065	237	278	313	342	371	396	410	427	443	450
C91066	270	314	349	386	413	440	453	473	492	500
C91067	257	303	339	369	397	420	437	461	481	491

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 6 - 100 PPM										
C91068	217	244	262	272	279	281	273	276	276	221
C91069	239	285	320	349	374	396	417	434	465	476
C91070	261	301	331	359	386	406	416	433	450	463
C91071	279	329	370	410	444	474	494	520	540	551
C91072	224	264	301	334	355	378	389	410	421	427
C91073	290	333	380	415	444	470	485	502	521	537
C91074	234	277	312	340	365	383	393	415	427	437
C91075	246	288	324	354	378	405	414	435	454	459
C91076	276	312	351	373	392	413	367	409	439	453
C91077	231	274	311	346	372	399	411	431	451	463
C91078	245	287	322	353	379	400	411	431	445	448
C91079	287	328	360	389	414	439	455	476	488	495
C91080	266	307	339	364	388	407	416	436	453	465
GROUP: MALE 7 - 300 PPM										
C91081	252	282	301	329	350	363	382	391		
C91082	240	267	293	312	321	337	338	350		
C91083	241	269	286	304	320	331	340	352		
C91084	250	272	301	325	342	351	362	374		
C91085	236	272	296	312	321	334	331	331		
C91086	262	292	316	340	353	372	381	397		
C91087	252	283	314	335	346	356	353	362		
C91088	251	280	305	328	345	352	355	361		
C91089	266	301	333	360	386	406	421	440		
C91090	269	294	329	354	372	388	399	418		
C91091	251	283	313	329	353	369	372	383		
C91092	266	305	335	361	386	400	413	425		
C91093	262	291	321	340	336	371	384	402		
C91094	243	274	298	315	329	332	343	355		
C91095	275	303	330	347	362	369	385	385		

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 7 - 300 PPM										
C91096	243	268	288	311	328	341	348	353		
C91097	261	302	328	346	362	383	385	401		
C91098	283	316	337	355	376	392	394	406		
C91099	240	267	274	280	290	292				
C91100	259	285	307	317	340	350	349	361		
C91101	285	319	349	374	394	411	424	432		
C91102	252	282	306	323	340	351	361	369		
C91103	233	263	287	318	324	332	347	352		
C91104	202	221	249	266	283	295	300	314		
C91105	272	291	316	326	343	352	356	367		
C91106	263	292	318	344	355	367	383	396		
C91107	222	250	280	304	323	338	344	355		
C91108	247	276	302	327	347	366	377	395		
C91109	238	268	296	310	330	343	351	364		
C91110	257	286	311	338	356	375	381	391		
C91111	237	269	298	312	331	352	365	378		
C91112	272	304	344	371	394	408	420	439		
C91113	242	269	290	306	313	322	311	327		
C91114	295	331	360	393	411	429	437	447		
C91115	280	318	353	378	400	414	424	440		
C91116	273	295	323	341	352	369	375	397		
C91117	284	314	346	369	388	406	421	431		
C91118	234	275	305	333	352	372	386	399		
C91119	274	311	349	380	407	430	443	460		
C91120	271	301	329	357	384	404	354	291		
GROUP: FEMALE 1 - 0 PPM										
C91121	157	178	195	222	243	257	259	271	287	290
C91122	185	216	238	263	282	299	298	309	318	317
C91123	150	167	195	206	228	241	245	258	254	262

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 1 - 0 PPM										
C91124	164	192	216	232	251	268	275	278	290	288
C91125	147	165	182	192	199	210	228	226	234	244
C91126	155	181	204	224	234	250	258	257		
C91127	166	191	203	229	241	255	259	268	280	286
C91128	182	204	242	258	277	307	308	323	341	343
C91129	189	210	243	274	296	306	320	330	349	357
C91130	170	203	217	230	239	253	271	269	274	282
C91131	154	169	181	199	213	222	228	234	246	250
C91132	143	160	177	197	212	226	240	243	259	263
C91133	177	194	216	241	246	266	278	291	297	298
C91134	170	201	220	241	252	266	272	281	290	294
C91135	156	179	198	212						
C91136	175	206	228	251	267	274	296	302	306	320
C91137	159	167	186	200	203	211	223	229	237	237
C91138	148	172	186	191	191	202	213	218	217	226
C91139	154	187	200	222	233	254	255	275	283	289
C91140	182	209	241	263	283	307	325	326		
C91141	167	186	196	222	234	246	252	266	277	282
C91142	183	213	239	268	284	307	319	328	343	347
C91143	139	157	171	198						
C91144	169	186	197	215	225	231	235	246	253	257
C91145	194	216	239	248	259	274	285	286		
C91146	157	184	214	227	240	261	276	282	285	298
C91147	177	202	225	232	252	257	265	270	276	286
C91148	162	180	195	218	229	237	241	254	263	269
C91149	138	149	164	184	192	199	208	218	230	236
C91150	169	189	203	226	241	247	252	260	269	279
C91151	172	201	221	237	262	295	304	325	323	340
C91152	172	195	219	238	242	260	265	276	289	293
C91153	171	205	237	247	279	297	306	312	315	331
C91154	180	209	237	251	269	285	285	291	309	322

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 1 - 0 PPM										
C91155	172	188	216	233	248	256	272	272	283	294
C91156	170	194	222	237	251	258	277	279	272	278
C91157	164	179	189	210	220	228	228	234	249	253
C91158	156	182	203	222	232	249	262	266	271	287
C91159	165	171	201	205	215	218	234	235	236	248
C91160	160	177	198	215	222	238	243	249	258	259
C91161	152	176	199	213	240	255	268	283	279	299
C91162	148	158	188	205	219	233	246	251		
C91163	170	202	226	250	262	270	291	286		
C91164	186	208	235	249	263	286	280	297	307	316
C91165	175	202	228	244						
C91166	176	206	225	251	262	277	291	293	300	310
C91167	148	175	191	211	228	239	242	251	270	273
C91168	149	172	194	216	231	243	248	259	270	272
C91169	162	181	210	219						
C91170	173	209	241	263	279	298	322	327	343	352
C91171	149	166	194	211						
C91172	159	188	211	230	254	267	277	278	289	296
C91173	159	186	211	224	235	242	252	257	261	271
C91174	163	178	198	204	217	224	233	242	252	255
C91175	191	218	250	270	292	296	323	329	343	355
C91176	169	200	238	256	280	289	308	319	331	353
C91177	169	183	202	216	219	228	231	243	252	254
C91178	176	198	224	235	239	261	269	266	278	288
C91179	185	214	227	256	268	285	289	297	307	311
C91180	158	181	211	227	240	254	265	270	286	277
C91181	171	206	243	265	273	295	309	310	314	321
C91182	170	192	227	252	257	278	291	295	309	320
C91183	171	197	215	238	263	274	285	293	306	313
C91184	148	171	202	222	250	269	279	282	295	307
C91185	173	198	217	237	252	263	282	291	300	317

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 1 - 0 PPM										
C91186	173	194	214	239	250	261	265	277	296	300
C91187	165	197	223	241	257	277	290	294	304	319
C91188	164	173	176	196	211	220	232	239	243	251
C91189	133	150	164	180	187	199	207	210	217	227
C91190	173	192	197	227	234	240	244	245	253	260
GROUP: FEMALE 2 - 3 PPM										
C91191	181	206	228	244	259	276	285	294	304	329
C91192	135	158	185	199	217	223	238	239	246	258
C91193	153	168	176	197	211	222	227	236	249	259
C91194	162	181	206	230	241	247	268	273	283	290
C91195	182	205	234	259	274	278	293	305	312	309
C91196	155	172	191	214	219	225	233	238	244	249
C91197	164	185	208	227	245	249	271	282	284	293
C91198	181	207	227	251						
C91199	145	168	191	214	224	238	247	259	273	277
C91200	184	195	197	219	226	232	239	234	245	243
C91201	153	178	199	222	239	249	261	265	269	270
C91202	187	209	250	265	282	292	298	299	312	319
C91203	170	189	209	231	246	269	272	276	289	288
C91204	164	177	198	215	223	239	250	250	264	266
C91205	137	156	171	189						
C91206	164	184	208	232	248	264	271	277	294	300
C91207	158	187	213	230	249	261	272	273	280	292
C91208	156	185	212	229	239	256	271	268	275	285
C91209	167	193	204	226	235	248	266	262	276	277
C91210	157	182	202	220	223	249	255	249	259	263
C91211	169	202	227	238	266	266	281	286	296	305
C91212	159	181	199	222	233	243	251	258	264	261
C91213	161	186	201	226	238	247	250	263	273	276

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 2 - 3 PPM										
C91214	167	193	212	241	238	259	284	273	291	296
C91215	152	174	188	197	207	215	226	227	239	236
C91216	170	192	208	228	238	248	254	263	272	280
C91217	154	171	186	207	228	235	239	252	266	269
C91218	166	181	196	202	221	228	238	235	249	262
C91219	171	183	193	210	218	218	230	240	242	244
C91220	155	180	206	229	244	257	273	269	284	288
C91221	152	183	215	232	248	255	264	277	287	289
C91222	185	213	240	265						
C91223	144	155	169	184	194	204	209	213	217	223
C91224	139	157	172	189	203	210	221	224	235	239
C91225	148	170	195	229	221	238	259	269	259	274
C91226	165	183	199	218	223	241	257	266	284	286
C91227	185	202	211	230	248	253	258	270	276	283
C91228	174	200	224	238	247	263	275	277	284	298
C91229	166	189	202	220	229	239	247	243	258	261
C91230	156	187	211	229						
C91231	169	196	224	245	263	274	290	295	305	311
C91232	154	176	187	197	212	216	226	224	235	238
C91233	160	183	196	200	217	229	240	241	250	262
C91234	198	224	264	290	309	325	336	339	353	367
C91235	163	171	194	209	212	217	230	230	236	241
C91236	153	175	184	211	221	228	229	236	243	240
C91237	153	175	205	219						
C91238	151	170	187	200	213	221	225	227	239	247
C91239	167	191	204	232	246	257	269	274	284	290
C91240	186	209	230	249	266	274	282	285	301	305
C91241	165	187	210	223	240	256	264	272	286	288
C91242	169	191	211	225	241	247	249	253	262	270
C91243	168	191	211	238	243	257	263	273	282	292
C91244	145	169	188	204	219	223	232	239	252	251

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Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 2 - 3 PPM										
C91245	173	186	200	217	231	227	246	254	268	279
C91246	172	191	204	213	227	237	248	237	245	256
C91247	174	200	223	237	244	255	271	281	298	305
C91248	174	203	226	242	261	267	271	285	293	293
C91249	164	189	216	238	246	264	278	291	305	302
C91250	146	168	186	200	202	212	220	223	245	235
GROUP: FEMALE 3 - 30 PPM										
C91251	176	194	212	235						
C91252	161	189	216	236	248	262	267	276	296	304
C91253	170	180	205	209	227	239	246	242	259	256
C91254	157	170	183	201	215	225	230	237	246	246
C91255	168	171	187	194	202	206	218	224	229	244
C91256	164	178	200	221	232	244	253	257	256	262
C91257	171	188	198	221	225	234	247	244	252	258
C91258	163	185	213	235	237	247	261	264	270	284
C91259	159	183	199	216	236	242	254	259	269	274
C91260	189	215	228	242	252	268	279	279	285	294
C91261	155	170	184	192	213	223	232	238	265	265
C91262	163	179	188	195	205	211	216	215	223	228
C91263	162	189	201	224	235	247	257	261	271	277
C91264	148	171	197	207	225	235	248	251	265	263
C91265	180	195	213	227	242	250	261	263	268	274
C91266	169	191	225	244	259	273	297	291	305	310
C91267	135	150	168	182	190	203	210	213	222	220
C91268	156	172	191	205	217	221	230	239	242	245
C91269	172	197	226	242	253	267	271	270	290	296
C91270	140	160	173	192	203	217	224	233	247	252
C91271	183	199	223	240	246	265	280	282	290	286
C91272	181	200	227	237						

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 3 - 30 PPM										
C91273	146	166	185	206	211	234	237	244	255	261
C91274	165	174	201	206	219	228	237	240	245	252
C91275	174	186	219	234	246	261	276	283	289	301
C91276	151	166	180	202	209	218	224	233	242	247
C91277	147	166	194	211	216	226	239	245	254	259
C91278	176	194	217	233	241	255	263	267	274	275
C91279	188	209	227	256	281	288	301	315	329	334
C91280	157	183	210	227	233	250	254	263	267	277
C91281	163	183	212	224	237	246	258	260	275	275
C91282	166	194	211	244	255	272	288	301	300	320
C91283	152	176	200	221	231	239	259	267	272	274
C91284	162	186	213	230	238	255	263	259	268	280
C91285	181	200	218	229						
C91286	158	167	176	177	195	198	199	206	218	220
C91287	152	167	178	195						
C91288	190	213	232	248	253	265	269	266	269	273
C91289	149	171	187	210	224	233	238	245	253	254
C91290	175	202	217	236	255	253	260	266	282	282
C91291	167	191	209	228						
C91292	168	191	217	229	249	266	268	265	285	291
C91293	154	177	196	220	232	247	258	270	277	282
C91294	161	181	208	222	236	251	251	260	267	272
C91295	152	179	193	223	222	238	233	242	245	258
C91296	159	173	190	193	209	223	228	219	236	235
C91297	168	185	194	226	241	243	240	258	267	274
C91298	179	205	223	236	244	259	270	267	272	277
C91299	147	165	179	192	195	211	217	219	224	227
C91300	153	180	198	219	224	240	254	260	271	268
C91301	146	171	182	207	213	228	238	241	257	269
C91302	191	208	219	238	250	262	264	272	274	275
C91303	171	196	219	241	259	266	280	292	304	308

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 3 - 30 PPM										
C91304	177	209	229	247	263	285	285	294	311	309
C91305	177	200	226	239	258	277	285	290	302	310
C91306	170	191	215	229	236	250	255	254	260	266
C91307	183	206	220	227	254	267	269	271	290	295
C91308	167	187	213	231	250	253	268	276	280	289
C91309	164	192	213	243	251	273	283	301	303	312
C91310	157	180	202	216	219	241	250	253	253	262
GROUP: FEMALE 4 - 100 PPM										
C91311	158	160	168	182	186	198	209	217	218	226
C91312	160	169	184	193	201	209	215	216	223	231
C91313	155	177	202	220	223	231	241	250	254	259
C91314	155	175	190	201	209	216	226	228	229	232
C91315	153	164	176	189	194	200	206	214	222	229
C91316	157	170	193	211						
C91317	164	189	212	233						
C91318	169	188	208	220	227	237	240	243	246	248
C91319	140	155	180	195	217	227	236	243	244	253
C91320	182	195	203	210	222	232	236	233	236	238
C91321	164	173	203	219	235	249	250	262	255	267
C91322	171	178	201	219	228	226	241	251	257	261
C91323	167	187	198	212	219	229	235	247	245	248
C91324	153	176	196	204	222	231	235	232	243	249
C91325	175	190	206	217	227	237	241	252	253	262
C91326	141	152	161	177	187	195	195	207	217	216
C91327	158	171	190	203	216	225	227	231	241	243
C91328	165	184	203	212	222	232	237	246	251	259
C91329	146	170	186	203	216	222	233	234	246	249
C91330	156	177	192	209	219	218	230	232	240	244
C91331	159	176	196	219	221	241	246	262	260	268

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 4 - 100 PPM										
C91332	157	174	193	212	217	228	230	233	229	229
C91333	160	174	191	204						
C91334	150	175	201	216	231	242	251	261	261	261
C91335	154	171	188	204	214	219	228	235	239	244
C91336	187	200	214	221	230	234	233	236	240	236
C91337	181	205	223	241	253	264	273	270	277	286
C91338	150	161	174	192	202	210	214	217	215	215
C91339	162	177	196	214	224	232	243	241	253	255
C91340	170	196	229	250	266	280	287	295	296	298
C91341	175	191	208	228	242	253	260	270	273	281
C91342	176	192	212	223	228	239	246	247	251	255
C91343	167	179	200	207	220	227	239	244	246	248
C91344	188	202	217	228	241	247	242	255	260	259
C91345	165	173	193	206						
C91346	166	180	210	230	242	258	260	275	279	281
C91347	173	194	212	224	234	241	244	246	253	263
C91348	159	178	197	212	225	223	230	235	233	233
C91349	168	189	211	216	219	236	240	246	246	262
C91350	152	168	183	197						
C91351	186	198	225	236	252	260	280	283	292	299
C91352	183	207	227	249	260	269	280	288	291	290
C91353	167	179	200	212	222	232	228	233	237	240
C91354	164	180	196	207	220	231	227	233	241	241
C91355	146	166	187	199	216	228	233	240	249	258
C91356	174	191	213	233	254	262	258	268	278	274
C91357	152	161	172	188	197	205	202	210	214	224
C91358	185	196	224	239	256	264	259	266	272	268
C91359	160	176	194	212	220	227	222	234	237	244
C91360	154	170	185	195	203	213	214	223	228	227
C91361	178	193	217	234	243	254	258	268	264	278
C91362	193	213	227	237	242	254	251	256	258	262

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 4 - 100 PPM										
C91363	169	190	216	241	253	256	258	270	278	274
C91364	149	163	177	194	206	221	222	228	235	237
C91365	174	180	188	192	198	201	198	205	208	221
C91366	164	192	197	218	235	237	247	261	271	272
C91367	186	213	233	255	261	272	275	279	290	286
C91368	165	184	202	215	220	232	235	245	245	246
C91369	163	178	193	206	213	228	230	239	245	258
C91370	153	166	179	194	196	205	213	216	220	227
C91371	170	187	211	235	250	266	262	281	281	290
C91372	162	180	202	223	235	247	247	255	262	259
C91373	163	180	193	199	211	222	226	227	237	245
C91374	174	197	219	239	249	258	259	267	268	273
C91375	157	179	201	212	225	236	237	244	247	257
C91376	158	176	192	209	218	229	234	244	251	245
C91377	151	173	192	209	220	229	225	232	241	250
C91378	168	185	201	215	226	234	236	245	249	247
C91379	147	164	186	204	215	226	230	236	237	241
C91380	180	205	225	245	255	266	264	278	283	284
GROUP: FEMALE 5 - 300 PPM										
C91381	159	166	179	190	195	204	210	215		
C91382	152	156	159	170	171	177	171	182		
C91383	155	163	174	187	191	203	202	204		
C91384	167	171	184	189	188	200	204	207		
C91385	158	167	180	193	194	204	203	209		
C91386	158	162	172	179	196	200	202	216		
C91387	166	169	171	178	185	188	190	193		
C91388	177	185	195	205	212	219	217	226		
C91389	152	154	166	163	176	180	185	193		
C91390	147	159	165	178	190	194	195	206		

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Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 5 - 300 PPM										
C91391	164	176	189	195	205	213	210	219		
C91392	159	176	184	189	191	206	211	217		
C91393	150	152	144	160	154	160	161	173		
C91394	181	185	191	198	198	200	205	214		
C91395	143	152	165	172	178	189	190	189		
C91396	184	198	212	216	225	224	231	241		
C91397	146	152	159	174	179	190	195	209		
C91398	158	174	182	197	209	212	213	219		
C91399	175	185	194	204	208	212	211	224		
C91400	183	196	205	218	226	231	232	233		
C91401	142	158	170	173	174	178	178	182		
C91402	148	155	161	167	174	177	176	183		
C91403	169	187	196	206	210	217	212	218		
C91404	151	160	173	182	191	196	204	207		
C91405	158	166	176	186	195	204	208	217		
C91406	170	172	179	190	190	198	203	208		
C91407	157	163	172	183	189	200	202	210		
C91408	173	191	205	216	225	233	235	249		
C91409	174	175	176	184	179	197	193	193		
C91410	167	162	178	184	189	184	189	200		
C91411	160	177	197	210	213	221	228	234		
C91412	164	176	183	193	188	202	211	207		
C91413	159	176	194	198	207	212	216	219		
C91414	168	177	189	202	209	224	230	234		
C91415	183	177	181	184	182	196	195	194		
C91416	190	201	215	224	229	234	239	248		
C91417	161	177	189	195	199	198	204	207		
C91418	177	178	189	193	199	205	203	213		
C91419	169	182	189	197	209	220	227	236		
C91420	155	169	185	195	201	207	210	224		
C91421	140	151	163	172	175	191	195	203		

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Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 5 - 300 PPM										
C91422	177	179	186	197	198	199	202	211		
C91423	170	179	198	207						
C91424	173	169	178	193	196	204	210	213		
C91425	174	180	184	195	190	195	204	214		
C91426	146	152	150	157	157	163	171	177		
C91427	172	192	207	216						
C91428	160	175	184	198	207	219	218	224		
C91429	194	209	222	226	234	242	241	251		
C91430	149	156	167	180						
C91431	155	170	178	182	185	192	197	209		
C91432	187	190	204	204	215	220	217	222		
C91433	178	188	193	201	199	201	200	212		
C91434	159	170	179	184	192	188	192	198		
C91435	171	180	191	205	212	222	223	232		
C91436	159	154	170	176	182	184	191	203		
C91437	161	178	191	205	216	224	229	243		
C91438	143	159	167	179	187	195	193	204		
C91439	162	181	191	199	209	216	210	213		
C91440	171	186	198	204	209	215	214	231		
C91441	156	164	175	181	194	198	193	213		
C91442	164	174	180	193	194	202	205	210		
C91443	184	183	195	209						
C91444	152	166	172	185	194	201	201	207		
C91445	166	166	174	179	185	186	194	203		
C91446	141	144	153	158	164	176	184	192		
C91447	162	173	181	191	192	202	203	217		
C91448	158	167	178	187						
C91449	170	183	193	199	206	210	214	223		
C91450	175	177	183	191	201	190	193	197		

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 6 - 100 PPM										
C91451	158	167	189	202	208	224	225	230	238	235
C91452	168	184	206	219	234	247	249	258	272	275
C91453	154	168	193	207	218	226	239	248	256	254
C91454	161	178	198	205	213	221	222	235	236	237
C91455	158	173	191	206	215	219	226	224	235	242
C91456	160	172	187	200	206	210	220	225	229	230
C91457	152	178	202	219	227	240	254	257	258	268
C91458	154	174	192	204	212	224	225	222	237	243
C91459	189	208	232	243	252	262	267	266	267	275
C91460	142	157	178	194	196	196	200	197	200	195
C91461	169	187	209	223	234	244	253	257	265	265
C91462	156	171	197	221	229	239	247	252	263	271
C91463	189	200	225	229	237	248	249	256	258	260
C91464	147	160	181	194	204	214	225	225	226	225
C91465	149	165	182	189	201	212	220	215	225	228
C91466	179	205	228	253	268	270	264	279	279	297
C91467	162	177	199	207	218	224	237	244	245	247
C91468	167	178	187	196	196	211	215	203	219	209
C91469	163	178	198	214	218	227	234	244	247	246
C91470	184	200	230	248	251	266	280	279	293	288
C91471	143	161	184	196	206	220	223	226	238	240
C91472	179	196	220	224	230	244	249	256	256	265
C91473	160	176	191	204	208	220	227	229	227	235
C91474	176	198	216	234	247	256	268	269	283	287
C91475	162	182	208	217	234	248	251	264	268	277
C91476	173	193	206	216	229	239	249	257	258	263
C91477	155	176	190	201	213	223	227	236	242	243
C91478	184	207	230	235	241	250	258	259	261	268
C91479	166	190	215	224	233	249	254	260	264	271
C91480	159	176	196	210	214	225	230	241	243	244
C91481	147	158	177	194	205	217	226	226	232	235

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 6 - 100 PPM										
C91482	153	167	189	204	217	228	232	239	250	252
C91483	170	196	216	227	237	248	252	252	257	267
C91484	185	195	212	229	228	245	247	243	256	257
C91485	159	172	189	206	216	221	228	233	244	244
C91486	173	190	212	218	234	242	247	249	261	263
C91487	158	179	194	209	220	228	235	238	249	253
C91488		202	227	241	252	264	271	274	276	285
C91489	167	176	194	203	217	225	234	227	238	251
C91490	157	180	194	209	220	227	231	234	241	245
GROUP: FEMALE 7 - 300 PPM										
C91491	156	165	184	195	201	203	207	211		
C91492	155	165	179	191	194	205	207	209		
C91493	159	163	175	180	188	198	203	205		
C91494	157	168	176	185	189	197	201	202		
C91495	163	174	186	194	194	200	201	210		
C91496	147	164	180	184	186	195	197	205		
C91497	168	180	192	205	211	219	225	226		
C91498	154	157	174	183	186	185	201	200		
C91499	155	166	174	184	189	188	192	193		
C91500	179	188	200	208	202	208	208	210		
C91501	183	185	182	198	196	203	210	209		
C91502	173	186	192	208	211	221	222	229		
C91503	189	199	215	221	229	243	241	246		
C91504	162	167	171	186	186	193	202	204		
C91505	161	169	180	192	193	204	213	213		
C91506	172	181	193	201	210	221	222	226		
C91507	148	164	176	180	193	197	195	200		
C91508	172	184	200	209	212	219	219	223		
C91509	165	179	196	202	208	213	212	212		

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 7 - 300 PPM										
C91510	166	182	200	210	219	226	230	232		
C91511	164	181	184	194	203	209	207	213		
C91512	170	176	191	199	199	204	214	213		
C91513	165	177	191	201	206	210	205	213		
C91514	167	187	197	205	209	221	222	225		
C91515	156	174	181	190	194	202	209	214		
C91516	159	171	182	192	197	202	207	207		
C91517	141	158	169	175	174	183	191	197		
C91518	158	175	192	201	214	217	224	233		
C91519	172	183	183	185	183	187	185	178		
C91520	152	165	177	184	195	203	211	213		
C91521	163	175	185	200	197	210	210	209		
C91522	160	179	187	196	199	201	199	201		
C91523	142	160	170	179	189	193	202	208		
C91524	181	189	203	216	219	224	225	226		
C91525	164	180	189	196	199	204	209	212		
C91526	178	194	201	208	209	214	218	226		
C91527	186	191	205	213	221	225	227	241		
C91528	134	142	151	162	166	167	174	173		
C91529	167	190	200	216	222	226	225	232		
C91530	164	176	189	196	203	207	217	219		

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Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 21	WEEK 25	WEEK 29
GROUP: MALE 1 - 0 PPM										
C90711	505	516	524	526	529	540	545	570	586	606
C90712	503	515	522	501	513	528	529	559	586	601
C90713	563	578	582	590	596	608	611	638	658	673
C90714	509	521	531	544	546	552	552	576	595	601
C90715	539	546	550	565	575	592	603	619	653	676
C90716	492	503	508	519	511	525	543	567	594	611
C90720	591	600	614	624	633	645	660	686	723	745
C90721	625	646	666	694	715	725	764	813	852	890
C90722	477	486	492	502	501	514	524	552	571	601
C90723	577	558	550	582	593	607	618	642	668	691
C90724	498	511	522	535	541	550	563	586	616	642
C90726	509	518	527	537	543	553	568	596	621	631
C90727	621	636	635	650	655	666	675	699	727	738
C90728	523	531	555	560	569	567	584	625	655	686
C90729	543	553	557	564	579	590	597	616	639	651
C90730	534	546	555	577	588	601	609	641	682	714
C90731	588	597	616	634						
C90733	517	529	543	557	562	569	580	611	626	641
C90734	635	656	671	682	692	698	715	751	781	814
C90735	479	491	498	505	507	512	524	544	564	574
C90736	524	538	542	558	566	577	587	617	652	667
C90738	485	497	507	519	519	526	540	570	594	607
C90739	506	521	539	547	556	566	577	608	636	645
C90740	526	544	551	561	567	580	597	639	665	684
C90741	487	503	515	529	534	542	555	582	615	621
C90742	516	522	526	536	547	555	571	591	610	629
C90743	577	588	605	611	623	634	646	696	724	746
C90744	524	534	547	556	565	571	587	609	640	667
C90745	474	472	487	497	498	505	519	553	575	589
C90746	589	597	553	585						
C90747	498	503	516	523	536	546	552	583	596	598
C90748	528	533	541	547						

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 21	WEEK 25	WEEK 29
GROUP: MALE 1 - 0 PPM										
C90749	465	473	481	484	497	507	514	541	559	567
C90750	500	507	510	522	527	532	544	569	591	606
C90751	499	513	520	530	540	542	558	579	604	618
C90752	610	625	640	650	656	667	681	696	719	720
C90754	551	563	574	579	591	596	604	638	663	689
C90755	610	634	643	657	667	686	695	746	789	803
C90757	584	599	608	617	613	632	642	671	696	715
C90758	534	551	561	564	570	575	586	620	643	678
C90759	511	522	539	540	540	554	562	577	595	609
C90760	521	538	561	573	573	583	601	639	672	700
C90761	520	538	547	555	556	567	576	607	631	648
C90762	479	491	506	512	522	528	539	562	585	599
C90763	575	585	602	600	611	621	626	659	676	684
C90764	503	518	527	536	548	551	557	578	589	612
C90765	602	619	630	640	646	656	666	693	712	739
C90766	516	526	533	547	545	556	562	607	637	640
C90767	481	496	510	515	524	539	546	581	617	648
C90768	468	480	496	499						
C90770	452	469	475	484	494	501	513	541	569	587
C90771	513	513	520	525	534	538	553	574	588	598
C90772	529	542	560	565	559	574	588	625	650	678
C90773	548	555	577	585	590	600	609	649	679	711
C90774	511	519	531	538	544	549	562	582	596	609
C90776	582	595	610	624	635	647	663	690	730	754
C90777	605	613	632	640	653	661	674	706	729	757
C90778	503	512	516	520	520	526	528	543	558	567
C90779	516	522	541	544	560	570	590	613	648	675
C90780	572	585	604	617						

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 21	WEEK 25	WEEK 29
GROUP: MALE 2 - 3 PPM										
C90781	525	548	563	577	588	606	605	635	657	673
C90782	508	522	533	532	544	557	567	592	620	657
C90783	463	475	477	485	489	500	506	520	534	546
C90784	495	509	512	526	531	536	545	565	573	580
C90785	533	542	561	567	574	590	600	624	655	670
C90786	505	518	527	528	537	545	547	564	598	596
C90787	547	566	581	583	594	609	615	645	669	675
C90788	540	553	566	572	581	590	608	637	660	694
C90790	577	592	605	609	615	625	632	673	714	722
C90791	461	473	479	481	479	495	501	526	552	557
C90792	540	554	563	568	573	571	547	600	599	636
C90793	504	517	533	537	543	555	563	587	608	624
C90794	557	562	577	590	600	617	627	661	695	681
C90795	522	535	541	550	558	562	577	608	634	627
C90796	522	532	462	510	529	546	557	585	610	637
C90797	527	546	557	569						
C90798	526	541	546	548	553	568	578	605	627	661
C90799	482	499	507	514	518	524	531	561	579	574
C90800	576	585	600	609	617	621	631	654	674	693
C90801	527	544	550	565	574	581	584	612	643	640
C90802	458	465	473	479	481	483	498	526	555	560
C90803	569	581	592	597	607	623	635	664	694	714
C90804	629	641	645	659	656	675	675	696	706	730
C90805	548	558	562	577	592	600	615	653	681	680
C90806	447	453	459	464	465	465	476	489	503	496
C90807	547	553	566	568						
C90808	574	580	592	608	618	628	640	677	712	731
C90809	505	507	525	531	538	542	553	583	590	601
C90810	564	584	587	598	610	621	632	657	694	719
C90811	553	558	558	568	580	592	601	621	644	662
C90812	540	548	564	568	578	582	605	626	640	659

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 21	WEEK 25	WEEK 29
GROUP: MALE 2 - 3 PPM										
C90815	551	559	570	560	576	589	592	622	636	647
C90816	570	574	594	602	607	621	633	665	691	702
C90818	529	541	552	558						
C90819	565	578	589	586	589	607	621	649	676	693
C90820	547	555	570	580	575	589	603	633	655	687
C90821	608	625	638	644	651	659	676	709	736	757
C90822	455	468	471	472	484	497	511	540	561	579
C90823	460	474	490	503	516	536	547	571	599	640
C90824	523	532	543	543	558	567	579	606	625	648
C90825	563	576	591	597	602	623	634	663	700	709
C90826	561	578	594	601	607	617	632	666	700	731
C90827	538	563	574	585	581	594	606	655	682	714
C90828	583	594	611	621	624	635	649	687	728	748
C90829	592	615	625	631	649	657	681	715	758	789
C90830	544	557	566	568	576	585	596	622	650	666
C90831	555	575	595	610						
C90832	557	572	579	587	590	605	610	645	670	690
C90835	510	525	526	535	537	549	556	585	618	633
C90836	505	525	538	552						
C90837	477	488	496	504	511	516	525	552	573	590
C90838	626	647	659	670	680	695	712	757	800	843
C90839	620	640	657	662	680	688	705	744	785	814
C90840	567	583	599	609	616	631	643	689	733	743
GROUP: MALE 3 - 30 PPM										
C90841	495	509	522	532	542	546	557	571	599	620
C90842	416	426	429	434	441	441	449	469	483	490
C90843	542	552	557	560						
C90844	492	502	518	532	541	549	555	594	637	653
C90845	527	540	551	555	563	571	577	611	631	654

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 21	WEEK 25	WEEK 29
GROUP: MALE 3 - 30 PPM										
C90847	495	511	518	525	528	534	546	560	587	583
C90848	527	540	555	557	572	586	606	639	670	702
C90849	562	578	592	607	614	617	628	654	677	693
C90850	477	486	494	497	507	509	521	533	555	574
C90851	493	498	505	511	512	518	529	548	560	578
C90852	515	529	541	551						
C90854	525	536	545	549	564	568	574	607	623	648
C90855	559	569	582	596	603	613	623	643	654	652
C90856	528	547	553	558	555	562	567	598	624	635
C90857	528	540	549	555	557	567	576	597	617	626
C90858	443	453	463	462	474	474	490	516	537	545
C90859	529	546	559	571	577	580	586	616	638	630
C90860	425	437	446	448	447	455	460	473	485	479
C90861	500	522	533	539	544	552	563	587	604	619
C90862	398	400	409	417	421	427	440	473	487	499
C90863	645	657	667	685						
C90864	484	498	504	514	518	528	535	556	572	577
C90865	471	476	482	489	495	494	506	522	543	548
C90867	478	486	493	501	502	504	512	532	537	547
C90868	569	589	603	612	624	631	646	667	694	721
C90869	540	555	561	574	575	574	580	611	624	652
C90870	557	559	568	576	583	592	583	633	663	674
C90871	493	505	514	518	526	542	542	560	567	565
C90872	508	519	530	536	545	551	561	586	604	625
C90873	569	574	574	579	589	603	607	629	644	665
C90874	606	617	640	649	649	660	668	693	716	745
C90875	496	507	521	538	544	557	575	597	623	639
C90876	610	632	641	653	651	657	664	697	741	754
C90877	473	483	492	495						
C90878	452	460	468	484	489	490	503	520	529	538
C90879	522	527	536	545	555	554	570	607	637	669

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Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 21	WEEK 25	WEEK 29
GROUP: MALE 3 - 30 PPM										
C90880	582	593	596	611						
C90881	548	562	575	587	593	601	616	642	670	695
C90882	524	534	539	548	557	564	576	599	616	631
C90883	527	539	549	530	559	566	572	590	604	624
C90884	483	490	495	497	502	506	514	536	537	551
C90885	491	511	519	523	537	542	556	599	634	653
C90886	553	567	578	587	594	603	616	654	677	681
C90887	528	539	548	561	570	586	603	636	669	704
C90888	502	512	517	521	501	517	538	557	573	575
C90889	491	501	503	513	511	515	523	553	570	580
C90892	402	410	420	424	420	430	440	462	479	501
C90893	477	496	503	510	518	523	530	561	576	604
C90894	486	503	507	518	534	538	557	589	608	634
C90895	482	494	512	514	522	533	545	565	584	613
C90896	484	502	510	517	526	534	538	554	572	581
C90897	573	593	607	619	599	613	633	673	710	732
C90898	505	513	521	526	533	542	549	572	597	608
C90899	440	446	452	466	466	474	478	494	515	528
C90900	507	519	527	534	540	550	562	575	591	610
GROUP: MALE 4 - 100 PPM										
C90901	439	449	458	461	463	474	475	501	519	539
C90902	452	463	475	484	488	503	510	534	551	577
C90903	431	442	452	457	459	469	482	498	516	538
C90904	464	476	478	488	492	497	498	512	530	535
C90905	444	449	455	468						
C90906	488	503	519	522	533	539	546	576	597	631
C90907	470	480	483	492						
C90908	507	515	532	539	545	553	559	587	599	637
C90909	560	572	590	604	609	617	631	657	695	713

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 21	WEEK 25	WEEK 29
GROUP: MALE 4 - 100 PPM										
C90910	474	485	490	500	504	516	525	536	559	568
C90911	496	508	513	521	520	534	536	554	568	582
C90912	531	541	555	557	560	568	573	589	594	627
C90913	473	488	495	497	496	506	505	512	539	557
C90914	543	555	566	582	589	597	606	626	646	667
C90915	534	548	558	562	570	583	588	606	637	663
C90916	433	451	457	465	469	480	485	507	530	537
C90917	507	523	531	528						
C90918	527	541	546	559	562	573	574	597	605	629
C90919	529	539	545	545	551	554	557	582	599	620
C90920	491	499	510	520	526	531	544	569	580	602
C90921	518	532	547	553						
C90922	478	488	498	509	512	524	527	557	572	583
C90923	492	504	511	521	530	534	538	559	564	585
C90924	512	534	543	544	552	557	568	613	605	597
C90925	445	455	463	471	476	487	499	518	533	550
C90926	536	551	557	565	573	586	597	631	646	678
C90927	498	507	517	522	530	537	547	565	591	607
C90928	466	472	475	479	485	493	509	514	531	549
C90929	429	438	442	413	442	459	471	496	524	533
C90930	481	494	504	510	519	527	534	542	551	571
C90931	503	515	526	532	539	546	551	579	587	605
C90932	427	438	447	456	460	470	471	496	513	523
C90933	534	542	551	558	565	576	589	619	630	650
C90934	448	457	462	466	465	483	488	500	512	528
C90936	464	477	486	493	503	516	524	528	556	577
C90937	465	474	474	474	476	475	472	500	502	520
C90938	444	453	457	465	464	473	483	507	526	553
C90940	556	575	578	592	600	603	614	644	659	673
C90941	523	536	536	550	552	562	571	585	616	638
C90943	465	480	488	488	495	497	494	459	515	537

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 21	WEEK 25	WEEK 29
GROUP: MALE 4 - 100 PPM										
C90944	430	433	440	448	446	456	463	482	491	498
C90945	447	454	468	473	480	489	492	499	521	524
C90946	495	500	507	519	518	530	530	555	568	588
C90947	461	476	485	493	492	499	518	537	551	572
C90948	467	475	484	487	491	501	512	523	549	569
C90949	339	305	266							
C90950	515	527	535	550	556	559	573	592	598	618
C90951	489	506	509	515	527	528	541	558	564	588
C90952	572	573	585	596	598	604	622	645	676	706
C90953	490	497	511	523	516	525	536	542	547	562
C90954	446	461	462	468	471	476	489	507	526	541
C90955	491	502	505	517	521	533	536	557	566	577
C90956	481	504	514	518	525	535	542	575	594	608
C90957	448	471	470	479	480	492	508	490	510	526
C90958	490	498	493	506	515	531	545	570	586	600
C90959	498	496	504	509	522	528	541	569	590	607
C90960	495	500	507	516						
C90962	531	546	550	554	558	570	586	604	629	639
C90963	540	548	557	563	574	579	587	605	613	621
C90964	591	599	611	613	614	629	636	666	690	715
C90965	418	422	431	392	414	420	431	442	458	462
C90967	491	505	516	522	528	535	541	561	574	589
C90968	472	483	503	509	509	520	526	552	565	589
C90969	554	569	584	598	605	617	618	641	655	681
C90970	445	458	466	474	486	487	495	517	538	553
GROUP: MALE 6 - 100 PPM										
C91041	559	568	582	588	597	599	618	629	642	648
C91042	450	466	484	494	497	501	516	539	549	585
C91043	469	484	496	506	509	513	519	531	552	575

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 21	WEEK 25	WEEK 29
GROUP: MALE 6 - 100 PPM										
C91044	481	491	504	509	511	521	526	543	561	583
C91045	538	552	570	580	585	581	601	628	645	664
C91047	425	438	457	461	462	469	480	482	478	496
C91048	487	497	509	522	526	530	539	561	597	614
C91049	548	566	572	578	585	608	619	655	694	725
C91050	513	528	544	558	565	565	558	586	596	614
C91051	529	543	555	564	571	578	583	616	630	650
C91052	577	591	617	616	628	639	653	698	736	779
C91053	464	474	485	495	500	505	515	538	563	570
C91054	513	513	529	534	536	544	546	583	604	628
C91055	551	569	584	592	600	616	624	660	674	702
C91056	460	478	500	505	519	526	541	561	585	608
C91057	513	526	541	538	550	560	574	582	601	622
C91058	479	490	496	496	507	519	521	535	549	560
C91059	503	516	520	532	537	542	545	559	571	599
C91060	436	449	452	454	459	470	477	495	507	525
C91061	521	526	543	555	569	572	585	599	606	612
C91062	491	506	514	522	532	542	554	562	577	598
C91063	393	401	410	414	418	425	427	439	442	456
C91064	490	503	515	527	537	547	562	581	598	618
C91065	457	468	482	488	489	502	512	511	532	543
C91066	513	524	535	543	550	557	562	587	597	614
C91067	500	514	521	531	536	545	557	581	596	618
C91068	198	195								
C91069	488	501	520	527	535	544	557	602	623	659
C91070	476	481	489	494	500	510	517	532	546	554
C91071	562	578	586	596	603	614	624	638	646	662
C91072	436	445	447	452	454	461	474	478	492	505
C91073	548	563	585	595	608	622	643	660	680	703
C91074	444	452	457	467	473	474	479	506	508	526
C91075	472	477	489	497	497	511	524	550	572	601

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Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 21	WEEK 25	WEEK 29
GROUP: MALE 6 - 100 PPM										
C91076	465	487	500	510	511	525	530	560	581	608
C91077	474	483	493	499	499	512	527	544	519	543
C91078	458	470	477	482	489	491	503	525	542	545
C91079	504	517	522	523	527	532	540	557	575	596
C91080	480	496	501	508	508	513	523	544	561	574
GROUP: FEMALE 1 - 0 PPM										
C91121	286	302	310	310	312	321	332	344	340	361
C91122	331	346	334	328	329	335	337	349	374	394
C91123	262	272	273	278	275	277	281	300	303	319
C91124	291	298	304	298	294	303	310	311	321	321
C91125	250	253	251	257	265	263	264	280	297	313
C91127	290	290	299	295	298	304	310	319	332	339
C91128	343	362	362	362	373	372	387	402	435	445
C91129	367	368	387	402						
C91130	288	282	283	290	291	296	290	301	302	317
C91131	248	258	262	265	267	269	275	286	288	290
C91132	273	275	284	291	290	295	303	320	345	361
C91133	299	315	321	321	319	330	332	346	365	358
C91134	302	308	301	315	325	322	335	355	380	395
C91136	322	329	328	338	340	358	349	373	388	405
C91137	247	249	247	246	254	262	259	259	268	275
C91138	232	238	240	252	257	258	257	263	268	283
C91139	298	297	310	306	316	315	332	331	346	363
C91141	278	295	298	298	293	304	315	323	342	348
C91142	361	368	361	377	380	383	387	408	428	430
C91144	252	260	265	262	257	263	265	270	277	281
C91146	308	309	313	321	324	329	330	346	359	370
C91147	291	295	307	313	318	325	332	348	371	391
C91148	274	284	289	286	280	288	295	313	311	322

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 21	WEEK 25	WEEK 29
GROUP: FEMALE 1 - 0 PPM										
C91149	234	239	250	253	258	265	266	277	297	304
C91150	279	292	294	298	299	305	312	319	336	346
C91151	335	360	363	370	371	382	386	408	429	450
C91152	289	296	300	294	302	304	312	322	331	333
C91153	326	343	349	347	355	354	365	371	426	456
C91154	308	322	333	324	335	334	344	355	362	387
C91155	294	297	300	304						
C91156	275	292	302	303	309	324	331	356	378	408
C91157	249	258	259	255	253	260	265	282	293	291
C91158	294	296	293	306	314	319	319	332	342	366
C91159	254	257	258	268	277	275	274	291	297	309
C91160	270	264	276	280						
C91161	303	312	307	317	317	320	334	340	362	369
C91164	325	323	340	335	339	344	349	361	379	438
C91166	319	325	324	326	327	329	333	344	353	363
C91167	273	287	294	291	290	290	300	328	352	349
C91168	272	280	286	286	286	293	297	310	314	323
C91170	368	369	364	365	369	384	384	416	439	455
C91172	295	293	301	307	303	304	307	315	308	323
C91173	275	282	288	291	296	297	300	307	310	329
C91174	264	275	283	284						
C91175	374	385	387	385	399	406	414	432	444	458
C91176	356	374	370	364	364	371	375	406	413	431
C91177	261	265	267	275	287	298	299	291	307	333
C91178	292	287	300	300	293	307	313	337	327	344
C91179	316	326	328	328	326	336	332	344	360	383
C91180	295	295	300	307	317	328	337	360	392	416
C91181	326	327	330	332						
C91182	331	329	347	349	346	349	360	378	398	427
C91183	315	325	324	326	327	328	340	347	360	356
C91184	314	321	330	328	333	343	347	364	383	399

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 21	WEEK 25	WEEK 29
GROUP: FEMALE 1 - 0 PPM										
C91185	327	332	344	341	346	362	357	382	412	423
C91186	300	309	315	311	312	317	325	336	346	347
C91187	333	333	342	345	349	346	347	361	375	391
C91188	260	262	269	266	275	284	283	290	306	307
C91189	234	235	243	244	247	250	252	257	261	271
C91190	268	270	269	270	271	278	282	293	308	311
GROUP: FEMALE 2 - 3 PPM										
C91191	326	328	329	326	336	337	331	371	394	418
C91192	269	271	268	276						
C91193	259	261	274	275	271	276	279	295	304	311
C91194	302	310	307	309	313	320	323	328	360	377
C91195	321	325	323	321	326	334	323	342	372	380
C91196	249	255	268	268	265	273	280	293	317	336
C91197	308	301	304	307	307	312	319	334	354	370
C91199	288	290	291	295	300	308	307	318	321	333
C91200	262	265	264	268	270	272	272	290	294	303
C91201	276	278	286	293	292	294	302	319	322	335
C91202	318	326	332	331	327	341	349	357	381	403
C91203	292	301	304	313	321	330	340	352	379	397
C91204	277	280	290	295	281	299	305	327	337	349
C91206	309	318	320	324	325	338	337	364	404	421
C91207	296	297	295	301	304	310	308	320	325	342
C91208	277	285	288	288	291	292	299	314	324	332
C91209	288	283	281	291	298	291	301	304	319	330
C91210	266	271	276	276	277	280	287	300	319	337
C91211	318	308	317	311	321	323	328	347	359	378
C91212	269	273	280	286	292	292	295	308	323	335
C91213	276	287	290	288	302	307	309	318	339	356
C91214	302	307	301	307	314	327	331	330	366	371

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 21	WEEK 25	WEEK 29
GROUP: FEMALE 2 - 3 PPM										
C91215	237	242	247	250	251	252	262	267	284	301
C91216	278	283	288	289	290	300	306	309	312	324
C91217	270	275	285	282	283	289	295	304	304	317
C91218	252	254	265	267	270	273	286	294	302	317
C91219	248	252	258	252	263	275	275	286	312	355
C91220	294	303	308	304	310	319	322	325	352	358
C91221	290	298	307	315	308	314	320	341	353	355
C91223	229	232	237	241						
C91224	241	238	251	251	257	260	268	272	287	288
C91225	273	272	271	281	282	284	297	307	316	315
C91226	297	299	306	318	320	327	334	356	380	407
C91227	285	293	299	298	301	312	314	317	329	340
C91228	295	298	298	310	302	305	318	315	333	340
C91229	258	266	274	289	281	289	286	304	304	310
C91231	321	330	332	333	337	347	353	368	382	405
C91232	240	242	250	254	254	255	266	278	286	288
C91233	260	263	274	276						
C91234	367	360	370	380	385	391	405	425	441	450
C91235	242	247	250	249	250	259	262	270	278	273
C91236	239	245	254	247	245	246	248	262	279	280
C91238	248	253	259	260	261	260	267	268	291	300
C91239	297	298	305	304	309	311	313	333	343	354
C91240	305	295	288	290	309	305	309	319	334	340
C91241	299	303	309	314						
C91242	272	273	278	283	282	279	287	297	299	307
C91243	300	297	308	304	317	319	329	333	361	373
C91244	253	260	266	265	267	264	279	288	306	310
C91245	289	290	292	299	309	305	326	339	374	376
C91246	248	247	255	267	264	266	279	291	293	314
C91247	312	317	322	327	335	339	348	371	401	421
C91248	305	317	318	310						

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 21	WEEK 25	WEEK 29
GROUP: FEMALE 2 - 3 PPM										
C91249	321	324	333	333	329	342	346	372	382	410
C91250	247	239	246	247	251	245	265	269	271	271
GROUP: FEMALE 3 - 30 PPM										
C91252	309	316	310	314	317	319	322	339	348	375
C91253	262	269	267	276	273	275	278	297	300	323
C91254	243	252	257	259	253	259	266	272	276	288
C91255	246	262	271	279	275	279	291	291	309	316
C91256	266	270	274	278	279	278	285	296	306	316
C91257	253	256	259	262	261	263	270	277	288	300
C91258	284	286	292	294	294	297	294	314	329	337
C91259	281	283	294	295	297	301	308	321	336	358
C91260	297	307	312	312	315	326	329	349	368	383
C91261	254	251	264	269	268	266	278	294	303	315
C91262	222	224	228	229	229	233	236	252	257	265
C91263	281	292	297	303	308	317	325	350	375	394
C91264	266	259	275	272	272	281	283	299	302	299
C91265	278	280	285	280	287	289	298	300	310	321
C91266	312	319	323	319	323	317	319	318	354	367
C91267	224	232	233	232	239	241	239	254	275	275
C91268	252	258	263	260	258	268	271	288	309	330
C91269	299	297	308	311	313	309	323	329	337	372
C91270	263	287	270	267	272	276	287	306	315	314
C91271	295	298	300	304	307	305	313	322	328	328
C91273	269	277	285	286	287	289	294	305	315	326
C91274	257	264	270	269	271	272	286	289	310	334
C91275	300	311	315	317	323	328	333	345	376	393
C91276	241	249	256	249	248	258	263	273	285	292
C91277	259	268	269	272	279	285	284	292	294	302
C91278	276	286	287	285	288	293	296	310	317	327

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 21	WEEK 25	WEEK 29
GROUP: FEMALE 3 - 30 PPM										
C91279	331	346	354	358	357	367	370	417	453	476
C91280	279	277	282	289	290	300	299	306	322	330
C91281	284	281	294	285						
C91282	319	324	330	332	347	345	357	374	390	406
C91283	285	293	292	289	289	290	296	319	338	345
C91284	282	277	279	290	293	291	290	314	323	331
C91286	212	218	226	228	228	237	244	254	262	280
C91288	279	278	278	288						
C91289	246	260	265	262	265	269	271	282	297	307
C91290	272	289	294	295	302	310	320	348	364	378
C91292	293	289	295	302	305	316	322	342	351	359
C91293	285	296	303	301						
C91294	279	276	280	286	286	289	292	307	315	325
C91295	259	256	264	262	265	271	268	297	298	313
C91296	241	235	239	244	259	270	259	261	261	277
C91297	266	279	288	283	282	296	303	318	332	335
C91298	284	280	283	287	294	294	296	308	299	307
C91299	232	234	240	241						
C91300	286	285	288	291	283	299	304	314	340	361
C91301	271	277	277	283	279	289	295	308	333	342
C91302	280	288	285	292	289	290	300	310	320	331
C91303	315	322	329	336	343	356	360	361	381	394
C91304	322	323	331	339						
C91305	312	313	316	323	314	328	334	367	367	387
C91306	271	270	266	271	274	274	276	288	295	293
C91307	293	293	299	295	300	302	302	316	331	336
C91308	283	288	289	297	299	308	307	314	326	331
C91309	317	319	318	331	332	336	347	362	377	385
C91310	265	266	270	276	278	278	282	292	308	324

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Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 21	WEEK 25	WEEK 29
GROUP: FEMALE 4 - 100 PPM										
C91311	223	224	223	224	224	227	232	239	248	259
C91312	230	233	231	238	240	241	246	252	261	260
C91313	257	261	263	262	261	275	269	273	282	290
C91314	237	236	237	239	240	245	247	254	260	270
C91315	237	240	242	243	240	248	251	263	267	275
C91318	247	244	244	248	246					
C91319	252	255	262	262	263	270	275	277	288	313
C91320	248	250	253	256	257	261	267	273	285	292
C91321	268	261	267	263	272	272	276	277	288	301
C91322	265	267	265	269	274	275	289	301		
C91323	253	255	263	265	273	275	280	292	303	311
C91324	248	248	248	248	251	250	259	258	265	271
C91325	260	263	267	273	274	274	280	283	288	295
C91326	208	213	219	215	203	211	213	223	233	240
C91327	247	250	243	255	252	250	262	270	275	284
C91328	260	259	266	264	269	267	274	270	295	303
C91329	250	258	260	256						
C91330	254	249	252	257	256	266	268	271	295	305
C91331	274	281	274	285	282	289	293	311	332	362
C91332	235	238	235	242	237	242	243	249	258	260
C91334	265	266	274	275	277	276	286	289	298	308
C91335	246	250	251	251	257	257	260	267	272	274
C91336	239	245	247	243	247	248	252	258	254	261
C91337	286	289	295	294						
C91338	213	214	212	217	215	222	228	231	235	242
C91339	259	260	264	265	266	269	272	282	285	304
C91340	302	301	297	298	299	299	300	304	317	321
C91341	277	278	280	282	280	285	286	298	308	319
C91342	259	259	267	267	265	269	275	285	289	292
C91343	246	251	257	258	258	265	262	275	282	295
C91344	264	267	265	260	266	268	274	278	276	279

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 21	WEEK 25	WEEK 29
GROUP: FEMALE 4 - 100 PPM										
C91346	287	292	302	302	308	307	318	326	331	349
C91347	267	261	264	273	270	270	277	282	290	298
C91348	239	237	240	239	236	241	247	251	258	259
C91349	260	261	252	265	262	261	271	279	282	299
C91351	301	308	306	313	313	316	324	325	332	328
C91352	296	294	290	299	299	305	311	322	327	336
C91353	239	247	244	248	253	255	253	260	271	275
C91354	239	238	244	244	240	240	246	245	248	252
C91355	270	276	281	283						
C91356	276	279	275	274	271	274	275	293	308	311
C91357	218	224	224	229	227	228	231	240	242	249
C91358	283	284	280	288	286	291	299	311	322	328
C91359	243	245	247	249	249	258	258	271	281	282
C91360	230	233	237	239	240	242	247	247	259	263
C91361	272	269	276	284	278	281	284	293	301	304
C91362	262	263	263	267	273	274	273	282	301	311
C91363	282	288	294	300	300	303	305	310	326	322
C91364	239	239	248	243	254	247	251	255	260	268
C91365	211	216	215	220	219	228	225	225	232	243
C91366	268	276	272	279	284	281	286	293	302	314
C91367	297	296	291	295	293	302	299	311	328	340
C91368	251	249	253	255	255	257	262	264	273	278
C91369	268	266	269	274	281	282	287	295	304	311
C91370	235	232	237	235						
C91371	293	282	290	298	297	308	295	314	327	337
C91372	265	270	275	273	270	278	284	296	298	309
C91373	240	240	236	245	250	252	262	272	298	322
C91374	275	275	278	282	279	282	286	292	299	303
C91375	259	259	257	266	268	267	266	276	281	286
C91376	248	255	256	253	257	258	264	266	271	280
C91377	252	249	257	261	259	261	265	276	292	306

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 21	WEEK 25	WEEK 29
GROUP: FEMALE 4 - 100 PPM										
C91378	245	251	246	249	251	256	258	262	272	276
C91379	247	249	251	252						
C91380	289	286	297	293	303	297	304	314	315	320
GROUP: FEMALE 6 - 100 PPM										
C91451	242	246	251	253	254	253	262	263	278	284
C91452	274	279	284	289	289	290	292	298	316	323
C91453	260	263	269	265	272	276	280	286	299	304
C91454	237	242	247	247	249	251	258	260	272	280
C91455	246	247	246	250	247	250	255	257	272	273
C91456	238	242	247	246	250	255	261	263	279	286
C91457	264	267	270	276	280	280	290	299	310	317
C91458	245	240	244	254	250	254	256	264	275	280
C91459	275	284	284	288	288	291	288	297	307	319
C91460	199	211	214	214	216	221	215	233	239	241
C91461	267	282	279	279	289	293	308	331	354	382
C91462	268	275	279	282	290	295	297	303	316	329
C91463	266	265	266	261	264	271	276	274	282	285
C91464	228	234	228	232	234	241	234	241	250	261
C91465	232	229	233	241	240	241	249	249	272	290
C91466	289	299	289	301	298	302	304	311	331	335
C91467	251	256	258	255	260	264	264	272	272	283
C91468	221	213	220	226	230	224	234	252	263	269
C91469	253	254	254	259	261	264	266	269	276	279
C91470	300	296	301	306	313	315	315	321	334	334
C91471	248	251	249	259	259	263	265	274	287	300
C91472	268	273	268	271	276	283	281	285	297	308
C91473	237	242	239	244	248	248	250	255	263	267
C91474	286	291	294	299	302	304	306	314	318	316
C91475	273	281	286	289	285	292	298	313	326	332

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 21	WEEK 25	WEEK 29
GROUP: FEMALE 6 - 100 PPM										
C91476	267	267	267	271	275	274	279	292	309	314
C91477	247	257	261	263	268	269	274	280	297	311
C91478	272	272	274	279	280	281	286	293	310	319
C91479	273	279	278	278	285	284	288	300	311	330
C91480	252	255	260	260	257	258	261	269	277	281
C91481	235	231	233	231	230	243	242	245	254	257
C91482	249	255	259	261	265	268	270	276	288	295
C91483	263	264	270	270	272	272	280	289	289	297
C91484	256	253	259	264	267	266	267	261	280	304
C91485	243	251	251	247	239	251	257	264	276	279
C91486	264	263	271	276	283	282	283	286	296	299
C91487	250	257	257	257	258	256	261	266	291	302
C91488	285	289	290	291	295	300	302	311	315	324
C91489	246	245	254	260	260	261	270	279	289	301
C91490	248	252	258	259	257	259	261	272	279	287

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Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 33	WEEK 37	WEEK 41	WEEK 45	WEEK 49	WEEK 53	WEEK 57	WEEK 61	WEEK 65	WEEK 69
GROUP: MALE 1 - 0 PPM										
C90711	621	633	644	656	673	687	693	711	720	730
C90712	614	617	630	613	642	652	659	688	671	691
C90713	693	708	725	744	778	787	801	821	825	838
C90714	599	613	621	649	666	681				
C90715	693	716	718	734	755	771	789	804	821	845
C90716	639	658	671	694	712	736	745	765	772	797
C90720	765	791	806	838	862	888	888	923	935	961
C90721	921	953	823							
C90722	620	639	642	671	685	706	719	740	750	772
C90723	716	730	725	756	789	798	795	794		
C90724	666	678	695	720	735	755	766	795	827	848
C90726	639	646	650	665	678	692	695	690	711	707
C90727	748	765	760	785	793	807	806	823	837	842
C90728	709	733	745	785	820	838	856	879	908	927
C90729	672	680	677	703	712	736	755	773	796	812
C90730	729	764	769	804	826	839	836	796	643	532
C90733	653	670	676	689	703	718	722	655	700	731
C90734	843	861	876	910	922	941	950	978	919	926
C90735	595	613	626	645	664	676	689	703	709	732
C90736	678	696	711	734	747	782	795	816	805	719
C90738	618	643	662	687	695	705	708	718	729	735
C90739	648	656	673	699	700	724	745	755	767	776
C90740	699	721	728	759	780	804	810	769	614	
C90741	636	676	694	713	731	762	776	778	800	807
C90742	643	644	651	666	671	693	715	717	744	764
C90743	778	808	822	849	878	910	922	942	962	966
C90744	688	702	709	742	766	784	794	813	822	835
C90745	588	611	620	647	647	668	686	713	714	726
C90747	621	633	646	652	668	682	688	705	705	674
C90749	598	609	613	630	651	662	674	697	711	729
C90750	621	640	629	647	677	693	710	735	735	763
C90751	637	653	666	699	725	751				

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 33	WEEK 37	WEEK 41	WEEK 45	WEEK 49	WEEK 53	WEEK 57	WEEK 61	WEEK 65	WEEK 69
GROUP: MALE 1 - 0 PPM										
C90752	733	737	745	783	790	811				
C90754	710	738	749	789	807	837				
C90755	841	869	869	919	966	985	994	1013	1035	1044
C90757	732	746	767	807	822	854	884	911	939	808
C90758	680	704	707	738	756	786	786	800	822	821
C90759	607	628	627	644	659	679	674	681	692	704
C90760	722	741	749	775	806	823	843	857	868	891
C90761	637	664	656	683	702	721	721	739	752	770
C90762	602	613	591	606	638	657	654	677	689	703
C90763	687	688	699	709	724	743	771	783	796	807
C90764	625	570	604	632	655	674	679	694	700	718
C90765	748	768	776	803	812	847	860	877	878	886
C90766	677	694	701	726	751	766	703	688		
C90767	658	637	660	681	719	745				
C90770	600	603	607	640	642	662	674	679	685	695
C90771	604	618	633	654	665	678	677	693	709	715
C90772	697	706	713	746	771	789	777	717		
C90773	737	756	771	808	842	875	901	951	910	
C90774	616	623	627	644	657	673	669	685	695	573
C90776	780	794	808	833	844	881	917	946	962	983
C90777	766	797	814	845	834	877	890	895	906	915
C90778	577	593	596	619	641	649	651	666	668	675
C90779	686	701	712	747	773	782	784	803	833	833
GROUP: MALE 2 - 3 PPM										
C90781	683	703	706	725	749	763	774	782	792	800
C90782	665	674	684	708	716	716	732	748	773	776
C90783	563	567	579	593	605	618	629	630	639	648
C90784	594	599	612	634	637	644	658	666	676	692
C90785	685	700	717	736	755	770	781	804	808	813

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Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 33	WEEK 37	WEEK 41	WEEK 45	WEEK 49	WEEK 53	WEEK 57	WEEK 61	WEEK 65	WEEK 69
GROUP: MALE 2 - 3 PPM										
C90786	605	620	626	647	666	673	678	694	701	702
C90787	675	691	707	719	749	783	803	830	851	873
C90788	707	735	755	784	803	832	848	876	899	914
C90790	734	755	761	800	826	832	860	870	906	879
C90791	566	586	597	616	631	652	661	680	690	703
C90792	650	666	672	696	693	700	503			
C90793	641	656	664	695	717	735	726	751	758	768
C90794	531	583	684	743	799	829	858	883	897	901
C90795	664	684	698	726	729	687	514			
C90796	647	665	672	697	705	711	669			
C90798	671	691	705	739	753	784	790	808	818	843
C90799	586	594	593	612	633	651	658	671	686	691
C90800	704	712	726	746	760	780	794	813	828	830
C90801	669	686	699	739	672	746	760	779	797	812
C90802	587	605	609	631	654	667	675	689	673	700
C90803	735	760	775	797	819	837	841	851	823	796
C90804	744	754	767	800	804	832	853	856	866	863
C90805	704	723	729	744	777	800	634	480		
C90806	617									
C90808	756	761	767	796	818	839	863	880	717	517
C90809	609	623	634	638	654	648	667	675	688	696
C90810	736	762	781	834	862	884	899	937	941	965
C90811	666	683	698	704	639	724	747	752	773	795
C90812	675	690	708	727	737	757	747	752	775	778
C90815	641	648	643	674	682	704	723	732	745	749
C90816	741	773	779	809	837	859	878	909	925	942
C90819	721	749	779	819	851	861	889	920	931	963
C90820	690	701	720	752	775	788	810	828	845	729
C90821	780	805	810	848	877	903	919	941	950	961
C90822	606	630	645	645	657	681	687	706	710	715
C90823	642	666	679	704	722	741	757	757	760	763

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 33	WEEK 37	WEEK 41	WEEK 45	WEEK 49	WEEK 53	WEEK 57	WEEK 61	WEEK 65	WEEK 69
GROUP: MALE 2 - 3 PPM										
C90824	659	684	694	724	755	778	785	821	834	851
C90825	723	723	723	743	767	790	809	838	835	856
C90826	731	742	748	772	798	807	832	847	850	854
C90827	736	757	764	794	834	854	901	923	950	
C90828	768	774	791	824	868	883	859	814	774	755
C90829	818	851	871	923	950	981	991	1016	1022	1050
C90830	676	682	697	708	726	744	753	759	772	794
C90832	702	720	747	768	801	818	832	851	867	878
C90835	638	642	639	664	689	720	722	730	735	763
C90837	604	615	600	616	625	608	549	505	486	455
C90838	872	902	891	942	986	1014	1040	1072	1094	1111
C90839	825	860	884	916	943	971	983	997	1008	1043
C90840	783	816	829	866	887	908	950	986	1010	970
GROUP: MALE 3 - 30 PPM										
C90841	649	677	682	700	713	739	756	772	791	797
C90842	510	512	511	527	538	561	574	591	590	604
C90844	684	698	716	738	768	797	776	815	841	867
C90845	667	680	687	710	736	756	781	805	821	852
C90847	611	622	623	662	683	701	720	742	751	772
C90848	744	752	790	825	859	899	918	961	969	993
C90849	729	736	738	780	820	832	859	872	863	790
C90850	591	602	605	620	641	650	673	694	716	725
C90851	594	598	608	632	652	668	695	711	731	744
C90854	662	667	681	697	728	744	744	772	771	780
C90855	677	671	678	695	707	728	744	761	775	792
C90856	663	679	695	721	739	757	764	782	801	826
C90857	649	664	664	673	691	704	715	720	725	730
C90858	565	584	589	619	646	666	681	689	705	711
C90859	639	653	655	684	719	752	736	671	552	554

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 33	WEEK 37	WEEK 41	WEEK 45	WEEK 49	WEEK 53	WEEK 57	WEEK 61	WEEK 65	WEEK 69
GROUP: MALE 3 - 30 PPM										
C90860	490	493	491	504	517	526	540	550	552	564
C90861	635	651	646	670	683	700	721	742	702	580
C90862	523	534	543	570	598	615	633	641	548	439
C90864	598	616	624	633	641	651	682	668	693	707
C90865	562	569	579	596	607	624	632	639	650	664
C90867	551	552	553	559	566	569	573	576	573	584
C90868	741	762	780	802	825	858	882	869	869	846
C90869	673	691	710	751	776	800	830	846	857	847
C90870	695	715	726	755	775	795	810	829	836	825
C90871	586	596	598	611	636	643	662	669	674	688
C90872	626	631	642	670	699	716	731	732	735	746
C90873	669	683	678	703	721	733	738	747	751	722
C90874	767	775	786	816	828	861	728	815	692	
C90875	651	668	676	692	720	748	727	758	778	804
C90876	767	791	797	850	882	891				
C90878	537	532	543	556	566	582				
C90879	680	694	702	723	751	755	757	769	782	777
C90881	705	728	744	781	797	821	827	854	874	894
C90882	659	686	693	713	740	771	794	838	858	869
C90883	595	609	618	639	638	638	647	657	648	667
C90884	548	561	568	587	586	593	598	616	620	625
C90885	661	677	688	724	743	759	781	795	820	823
C90886	716	735	755	790	817	845	848	885	872	878
C90887	739	756	775	796	830	860	896	922	940	704
C90888	589	595	599	619	621	620	636	637	646	676
C90889	598	604	618	637	655	671	671	699	718	728
C90892	510	512	530	554	579	592	605	620	626	613
C90893	627	650	643	666	704	733	757	776	793	803
C90894	651	664	665	696	732	749	770	780	791	788
C90895	618	631	632	658	673	692	696	718	726	741
C90896	587	599	601	631	667	694	699	697	623	512

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Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 33	WEEK 37	WEEK 41	WEEK 45	WEEK 49	WEEK 53	WEEK 57	WEEK 61	WEEK 65	WEEK 69
GROUP: MALE 3 - 30 PPM										
C90897	736	753	752	789	803	825	840	861	871	874
C90898	612	623	627	641	647	656	673	563		
C90899	539	544	548	571	583	602	622	650	671	671
C90900	615	624	619	649	653	668	683	692	702	708
GROUP: MALE 4 - 100 PPM										
C90901	562	569	580	601	617	650	681	697	723	749
C90902	586	590	593	619	641	657				
C90903	543	542	553	570	588	609	624	643	658	668
C90904	537	546	556	557	555	566	578	581	593	598
C90906	646	663	684	702	726	728	745	766	761	782
C90908	641	652	663	667	673	699	704	704	716	730
C90909	723	720	738	771	801	828				
C90910	586	598	615	636	657	671	680	692	702	709
C90911	587	592	601	621	640	660	675	695	687	704
C90912	627	641	646	653	675	686	692	699	613	559
C90913	580	594	593	609	627	640				
C90914	689	698	704	724	742	761	773	791	815	836
C90915	683	703	717	741	759	773	791	806	814	833
C90916	560	568	581	602	632	661	675	668	681	695
C90918	640	656	656	688	693	714				
C90919	617	624	621	648	657	672	657	652	648	650
C90920	607	619	636	629	654	673	697	712	732	730
C90922	602	614	617	636	647	633	594	477		
C90923	589	608	605	620	642	647	661	673	687	704
C90924	596	587	590	616	620	646				
C90925	553	577	587	606	612	629	658	685	703	717
C90926	687	705	710	740	772	765	790	799	806	821
C90927	567	580	589	592	599	618	636	662	671	679
C90928	558	565	567	572	578	591	612	628	642	645

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Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 33	WEEK 37	WEEK 41	WEEK 45	WEEK 49	WEEK 53	WEEK 57	WEEK 61	WEEK 65	WEEK 69
GROUP: MALE 4 - 100 PPM										
C90929	545	548	554	560	570	569	618	622	658	
C90930	568	565	561	576	584	612	628	638	645	662
C90931	611	630	635	665	677	681	703	726	739	739
C90932	520	540	544	561	572	589				
C90933	641	641	655	672	664	677	694	710	721	711
C90934	539	538	554	564	565	587	594	616	631	651
C90936	577	578	572	595	616	624	647	664	654	663
C90937	524	535	547	582	599	616	641	638	655	654
C90938	566	579	592	611	631	650	663	667	683	546
C90940	693	701	717	746	765	805	813	735		
C90941	641	659	686	698	734	775	806	837	867	887
C90943	547	550	578	588	589	618	638	624	649	666
C90944	517	523	531	542	555	568	569	584	590	594
C90945	540	556	560							
C90946	586	558	599	605	621	647	657	650	649	643
C90947	586	600	612	633	651	669	680	691	707	713
C90948	587	590	601	612	617	633	649	663	651	661
C90950	636	648	679	701	722	735				
C90951	593	601	606	624	629	658				
C90952	729	746	762	801	816	798	696			
C90953	560	576	581	602	624	645	667	673	679	699
C90954	564	575	585	614	632	652	652	640	588	444
C90955	591	602	612	634	650	679	701	713	725	735
C90956	620	623	631	650	658	677	688	713	713	699
C90957	542	561	548	553	575	605				
C90958	611	634	636	643	676	685	700	664	688	705
C90959	619	628	641	669	677	710	736	749	767	770
C90962	663	678	695	709	743	767	790	804	773	635
C90963	630	655	672	697	710	740	770	769	654	529
C90964	729	731	735	754	774	784	777	807	770	670
C90965	439	477	472	490	494	513	512	526	506	524

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Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 33	WEEK 37	WEEK 41	WEEK 45	WEEK 49	WEEK 53	WEEK 57	WEEK 61	WEEK 65	WEEK 69
GROUP: MALE 4 - 100 PPM										
C90967	608	631	647	673	681	701				
C90968	609	614	629	647	669	677	685	700	717	530
C90969	698	708	715	773	786	811	837	862	876	893
C90970	562	574	578	610	623	643	657	679	688	709
GROUP: MALE 6 - 100 PPM										
C91041	667	679	700	738	754	779	749	443		
C91042	618	627	646	662	682	691	721	747	762	782
C91043	594	612	626	648	662	676	700	743	762	787
C91044	600	603	602	617	645	657	612	463		
C91045	662	684	706	733	705					
C91047	490	496	509	509	515	530	543	568	590	615
C91048	620	634	661	680	699	724	750	775	776	791
C91049	728	737	602							
C91050	649	636	648	667	682	718	742	785	785	812
C91051	653	668	678	683	704	742	772	807	811	830
C91052	782	803	822	835	875	918	966	945	753	
C91053	581	592	610	628	645	653	678	692	692	680
C91054	642	671	697	727	750	788	815	864	898	936
C91055	716	745	753	794	806	830	873	919	950	983
C91056	618	633	642	653	675	675	694	699	714	735
C91057	629	628	629	652	567	630	640	659	677	671
C91058	572	574	582	600	616	628	637	659	690	708
C91059	605	620	633	654	671	704	742	768	789	826
C91060	539	549	567	590	608	620	646	680	696	724
C91061	616	621	628	642	642	660	675	688	719	738
C91062	596	611	630	651	670	686	706	734	754	768
C91063	467	477	476	486	498	504	519	535	548	548
C91064	619	632	635	673	687	711	731	757	785	813
C91065	542	554	564	566	571	591	601	625	607	625

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Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 33	WEEK 37	WEEK 41	WEEK 45	WEEK 49	WEEK 53	WEEK 57	WEEK 61	WEEK 65	WEEK 69
GROUP: MALE 6 - 100 PPM										
C91066	624	632	642	656	670	685	707	735	751	734
C91067	640	656	675	691	713	731	757	780	802	824
C91069	682	686	719	757	786	821	850	895	954	990
C91070	558	564	559	569	585	596	607	629	647	670
C91071	667	675	687	712	736	751	769	810	841	875
C91072	517	527	544	563	584	597	619	639	650	667
C91073	695	714	727	756	784	823	862	910	928	949
C91074	537	532	548	564	588	601	621	648	661	672
C91075	627	642	666	689	731	757	777	805	818	842
C91076	615	617	632	632	643	670	682	719	744	771
C91077	557	580	604	635	653	688	712	729	737	747
C91078	556	568	561	527	570	610	616	656	673	699
C91079	613	612	615	628	645	671	693	730	747	757
C91080	571	582	594	600	612	636	669	698	696	729
GROUP: FEMALE 1 - 0 PPM										
C91121	379	374	385	403	409	435				
C91122	388	395	396	435	455	479				
C91123	326	341	356	372	392	398	413	422	435	442
C91124	335	333	342	359	376	389				
C91125	312	328	340	357	376	392	399	421	440	456
C91127	355	358	379	400	427	453	458	486	500	514
C91128	470	467	499	525	547	565	581	590	621	659
C91130	326	335	355	395	381	410	425	435	451	471
C91131	299	299	301	309	316	310	318	329	331	336
C91132	391	404	421	447	466	480	492	520	514	525
C91133	372	401	388	403	437	455				
C91134	388	420	446	484	515	534	568	587	596	472
C91136	418	443	437	448	466	503	513	540	545	564
C91137	286	293	309	317	339	331	323	344	360	382

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Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 33	WEEK 37	WEEK 41	WEEK 45	WEEK 49	WEEK 53	WEEK 57	WEEK 61	WEEK 65	WEEK 69
GROUP: FEMALE 1 - 0 PPM										
C91138	291	296	298	301	307	298	306	326	323	324
C91139	380	404	412	431	446	463	478	355		
C91141	354	354	376	413	429	443	444	440	440	442
C91142	459	474	483	518	535	532	537	531	539	542
C91144	290	280	283	293	298	302	305	305	308	309
C91146	395	411	435	457	471	488	514	490	521	470
C91147	411	424	440	456	470	492	509	518	538	536
C91148	339	347	350	361	383	397	413	436	441	456
C91149	316	327	343	359	364	387	389	390	390	393
C91150	352	382	398	420	448	458	471	479	463	467
C91151	478	497	534	573	593	625	635	646	655	560
C91152	341	360	378	398	411	426				
C91153	488	511	553	582	617	651	671	694	710	734
C91154	413	403	423	440	457	465	488	505	518	528
C91156	426	419	417	472	495	508	524	548	564	572
C91157	302	312	318	325	332	336	345	351	355	363
C91158	359	406	428	475	485	492	506	528	549	565
C91159	333	346	356	368	386	400	425	442	448	466
C91161	370	399	431	440	461	472	405	244		
C91164	442	456	489	525	540	547	579	606	622	659
C91166	370	374	380	406	415	423	434	444	460	478
C91167	385	383	416	437	466	491	501	527	524	560
C91168	337	339	350	369	396	411	415	422	419	428
C91170	463	479	505	536	544	570	581	566	544	538
C91172	325	335	336	351	365	379	381	397	397	415
C91173	338	330	349	376	382	364	275			
C91175	474	473	497	539	543	559	579	589	595	609
C91176	446	463	471	501	512	523	555	571	588	603
C91177	336	336	374	364	388	407	421	446	475	506
C91178	362	367	385	416	425	442	438	442	435	453
C91179	396	407	424	461						

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 33	WEEK 37	WEEK 41	WEEK 45	WEEK 49	WEEK 53	WEEK 57	WEEK 61	WEEK 65	WEEK 69
GROUP: FEMALE 1 - 0 PPM										
C91180	427	435	437	462	495	528	522	571		
C91182	423	457	472	510	522	541	580	603	632	666
C91183	387	389	398	428	442	457	481	490	504	522
C91184	409	430	465	483	509	543	571	613	634	651
C91185	450	440	493	525	554	563	558	451	302	
C91186	357	351	360	386	402	417	431	452	458	471
C91187	406	413	435	461	486	515	516	492	440	374
C91188	326	340	348	372	388	397	419	437	447	467
C91189	275	276	282	286	298	303	306	318	318	327
C91190	323	327	327	346	357	362	375	382	375	390
GROUP: FEMALE 2 - 3 PPM										
C91191	440	433	470	507	493	521	536	519	562	600
C91193	315	320	328	359	372	381	394	413	423	442
C91194	395	399	403	425	447	451	424	405	415	436
C91195	388	409	420	443	464	473	472	487	506	543
C91196	359	357	378	417	450	464	473	502	537	571
C91197	391	412	426	443	472	490	485	505	496	521
C91199	343	352	357	372	392	412	415	439	454	470
C91200	315	327	348	340	363	369	380	387	402	426
C91201	348	364	373	392	408	410	414	432	455	647
C91202	413	435	448	481	496	522	547	570	592	576
C91203	415	430	455	465	478	508	514	535	556	561
C91204	371	391	407	436	458	477	453	372		
C91206	435	442	449	447	468	489	491	513	473	403
C91207	354	358	362	372	389	395	382	403	401	401
C91208	338	347	354	368	378	399	409	416	413	365
C91209	339	343	352	359	376	393	393	400	397	394
C91210	349	365	379	403	422	431	446	477	484	493
C91211	389	398	431	456	467	480	495	504	523	551

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 33	WEEK 37	WEEK 41	WEEK 45	WEEK 49	WEEK 53	WEEK 57	WEEK 61	WEEK 65	WEEK 69
GROUP: FEMALE 2 - 3 PPM										
C91212	341	354	372	385	393	416	432	452	361	
C91213	382	380	409	436	456	477	481	499	514	528
C91214	364	395	416	427	439	452	462	471	485	505
C91215	320	328	350	349	348	344				
C91216	331	330	338	350	354	357	361	361	358	358
C91217	319	319	330	348	355	372	385	408	424	
C91218	315	320	338	351	382	364	377	399	410	427
C91219	336	329	379	386	397	415	414	433	436	450
C91220	373	374	396	412	434	448	454	483	494	501
C91221	384	387	399	422	439	452	456	480	494	498
C91224	300	302	322	340	337	344	370	386	391	411
C91225	338	341	340	357	352	357	373	389	399	404
C91226	433	438	433	429	434	446	462	484	501	509
C91227	356	365	372	380	402	421	427	434	453	456
C91228	347	352	359	377	390	393	398	418	418	440
C91229	309	310	321	325	337	344	349	358	363	380
C91231	422	427	429	470	478	501	519	530	555	583
C91232	292	299	305	314	322	318	336	356	368	375
C91234	515	503	533	586	632	648	684	719	679	
C91235	291	295	306	316	329	340	343	356	369	369
C91236	291	299	309	315	321	338	348	368	372	375
C91238	322	340	350	371	396	408	420	437	343	
C91239	371	377	382	394	399	406	418			
C91240	340	352	354	351	363	388	382	401	374	389
C91242	308	312	313	325	348	333	354	358	369	384
C91243	394	408	421	428	445	451	455	467	480	494
C91244	319	312	315	335	340	350	367	386	382	
C91245	401	391	415	442	454	474	483	516	520	530
C91246	327	338	349	362	374	395	414	421	430	447
C91247	428	436	455	489	511	522	527	548	484	402
C91249	416	441	461	490	515	544	565	593	615	631

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 33	WEEK 37	WEEK 41	WEEK 45	WEEK 49	WEEK 53	WEEK 57	WEEK 61	WEEK 65	WEEK 69
GROUP: FEMALE 2 - 3 PPM										
C91250	281	288	294	304	320	345	365	397	437	473
GROUP: FEMALE 3 - 30 PPM										
C91252	386	373	390	428	452	475	495	497	520	537
C91253	340	354	361	383	404	417	420	440	454	470
C91254	289	299	299	309	322	334	339	357	373	385
C91255	333	335	342	354	365	372	378	394	390	392
C91256	320	337	351	356	362	372	385	394	397	407
C91257	315	321	327	344	358	366	381	398	406	395
C91258	354	360	376	397	411	414	415	436	440	455
C91259	378	386	402	432	449	432	361	318		
C91260	418	433	449	475	491	512	529	552	539	446
C91261	321	321	333	360	368	385	401	408	416	424
C91262	267	273	293	298	316	325	338	355	363	380
C91263	414	424	436	461	472	487	500	506	440	391
C91264	320	315	332	341	353	364	381	385	392	402
C91265	334	336	354	356	374	391	399	418	436	435
C91266	379	388	397	416	427	430	448	467	482	496
C91267	297	312	333	355	365	380	378	393	422	
C91268	345	363	376	394	415	438	440	450	459	477
C91269	389	397	429	437	461	468	486	497	526	569
C91270	321	341	356	387	333	340	296			
C91271	335	350	362	382	398	416	440	477	491	525
C91273	337	343	356	371	385	389	407	409	418	429
C91274	349	361	382	402	407	432	441	469	465	470
C91275	407	411	429	463	485	484	462	412	333	310
C91276	302	297	312	316	318	323	328	334	336	342
C91277	311	316	326	336	338	346	360	371	384	418
C91278	331	341	346	363	373	380	389	389	398	402
C91279	492	504	515	534	552	582	571	598	611	609

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 33	WEEK 37	WEEK 41	WEEK 45	WEEK 49	WEEK 53	WEEK 57	WEEK 61	WEEK 65	WEEK 69
GROUP: FEMALE 3 - 30 PPM										
C91280	342	349	364	374	386	406	422	441	456	467
C91282	424	439	477	506	442	276				
C91283	350	379	389	417	422	437	465	485	498	497
C91284	343	334	353	374	367	390	402	419	434	459
C91286	281	278	304	297	307	323	339	337	343	362
C91289	311	315	333	352	360	340	305	281	279	265
C91290	379	378	393	401	390	369	311			
C91292	382	372	394	421	441	473	507	532	551	585
C91294	352	331	337	369	361	369	371	398	407	416
C91295	340	320	327	370	377	390	408	424	442	460
C91296	274	274	283	294	295	302	303	311	314	322
C91297	348	368	377	386	386	397	405	431	411	421
C91298	311	316	317	320	332	319	314	338	304	319
C91300	372	378	392	411	418	422	432	400	356	335
C91301	357	365	392	418	437	461	485	501	523	549
C91302	345	357	369	383	399	404	371	359	308	274
C91303	422	434	428	470	477	501	518	537	557	584
C91305	415	417	449	482	499	525	533	561	570	588
C91306	320	320	327	332	342	345	361	372	379	386
C91307	357	365	368	376	391	399	412	423	433	447
C91308	334	340	359	373	387	403	392	390	385	327
C91309	400	413	426	441	457	477	482	513	477	
C91310	323	327	359	379	395	404	419	431	445	450
GROUP: FEMALE 4 - 100 PPM										
C91311	271	276	287	284	288	298	303	302		
C91312	267	272	272	275	282	284	283	288	287	289
C91313	296	306	322	335	348	357	375	385	388	390
C91314	285	291	295	302	316	323	326	335	342	354
C91315	283	291	299	315	332	341	354	364	374	382

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Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 33	WEEK 37	WEEK 41	WEEK 45	WEEK 49	WEEK 53	WEEK 57	WEEK 61	WEEK 65	WEEK 69
GROUP: FEMALE 4 - 100 PPM										
C91319	319	325	340	340	353	356	359	364	363	334
C91320	307	315	327	343	360	375	394	404	426	433
C91321	310	312	332	346	366	384	404	420	427	436
C91323	323	330	349	354	369	373				
C91324	272	275	271	277	284	286	295	291	300	301
C91325	302	304	314	313	313	302	315	328	337	358
C91326	243	252	257	264	262	267	278	283	288	297
C91327	291	289	299	295	297	304	318	326	329	339
C91328	303	302	313	317	327	334	333	344		
C91330	317	323	337	351	364	372	393	418	428	447
C91331	390	406	422	438	460	481	504	509	502	481
C91332	263	266	274	274	276	284	289	295	294	310
C91334	319	334	357	374	392	412	422	430	431	425
C91335	290	287	304	296	309	313	320	329	341	344
C91336	265	250	277	279	284	292	299	302	305	308
C91338	244	243	253	241	269	265	263	260	268	289
C91339	314	323	334	348	355	365	375	386	403	400
C91340	344	340	348	353	358	383	388	398	409	416
C91341	323	328	337	335	347	354	367	371	376	382
C91342	299	306	313	321	324	349	344	353	378	391
C91343	296	293	291	293	298	297				
C91344	297	291	296	310	310	316	324	332	333	340
C91346	356	356	386	403	406	418	433	437	439	391
C91347	300	297	304	305	316	317				
C91348	266	257	271	281	280	286				
C91349	306	306	268	305	307	310	324			
C91351	339	342	346	373	373	397	410	443	468	479
C91352	341	352	359	369	391	408				
C91353	274	297	303	302	334	344				
C91354	257	255	267	272	275	277	285	285	269	269
C91356	300	299	313	322	333	347	385	417	412	430

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 33	WEEK 37	WEEK 41	WEEK 45	WEEK 49	WEEK 53	WEEK 57	WEEK 61	WEEK 65	WEEK 69
GROUP: FEMALE 4 - 100 PPM										
C91357	247	250	248	248	250	257	258	264	288	270
C91358	338	341	353	377	387	403	411	430	452	440
C91359	295	267	295	301	311	323	333	340	347	369
C91360	263	268	270	276	279	285	289	301	304	312
C91361	307	306	313	320	320	322	327	329	340	351
C91362	323	329	342	358	376	404	415	433	440	464
C91363	353	355	346	358	361	375	377	399	407	413
C91364	276	271	278	282	295	290	299	305	308	315
C91365	242	243	249	252	259	260				
C91366	333	340	351	360	375	400	412	436	449	465
C91367	344	306	329	339	320	333				
C91368	274	284	285	281	290	294				
C91369	319	325	340	346	359	365	377	402	425	466
C91371	353	366	377	385	399	411				
C91372	307	311	323	334	336	343	351	367	371	371
C91373	336	349	359	367	374	379	369	381	377	253
C91374	308	319	330	338	349	375	376	394	407	429
C91375	291	294	300	309	313	317	324	334	335	357
C91376	282	287	291	293	294	306	304	308	315	304
C91377	316	330	333	342	352	367	387	427	455	495
C91378	276	279	290	290	294	285	286	283	291	295
C91380	311	313	321	325	323	317	327	328	325	319
GROUP: FEMALE 6 - 100 PPM										
C91451	286	288	299	308	312	315	346	369	382	402
C91452	337	346	354	374	381	394	423	470	493	543
C91453	317	326	341	351	358	360	387	423	426	464
C91454	277	284	287	291	293	289	306	335	338	337
C91455	288	288	300	301	314	321	342	366	367	377
C91456	290	293	301	309	309	314	340	371	403	431

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 33	WEEK 37	WEEK 41	WEEK 45	WEEK 49	WEEK 53	WEEK 57	WEEK 61	WEEK 65	WEEK 69
GROUP: FEMALE 6 - 100 PPM										
C91457	325	329	340	348	354	362	379	414	431	454
C91458	287	284	297	302	321	324	340	351		
C91459	322	327	321	331	337	334	380	408	443	489
C91460	244	243	246	249	256	255	246	282		
C91461	401	419	436	451	472	500	527	577	609	610
C91462	349	347	359	379	386	391	415	432	445	463
C91463	290	301	306	309	315	327	349	386	399	407
C91464	263	269	271	272	279	290	302	324	330	324
C91465	307	313	324	333	338	349	388	408	420	439
C91466	346	353	366	375	390	412	426	465	492	503
C91467	284	291	293	303	310	322	341	359	377	378
C91468	272	280	280	285	270	286	288	298		
C91469	287	290	297	303	306	308	322	346	353	320
C91470	349	354	373	382	401	412	434	462	460	297
C91471	304	318	331	346	363	390	410	430	450	446
C91472	314	323	337	347	369	388	416	461	494	514
C91473	273	280	281	290	297	307	314	343	361	393
C91474	319	321	339	337	342	353	367	420	420	448
C91475	343	357	363	385	388	386	386	456	483	528
C91476	322	327	335	344	351	361	374	424	437	454
C91477	322	327	338	348	367	373	392	423	441	450
C91478	332	337	347	360	365	386	418	456	473	505
C91479	343	353	368	390	382	396	430	466	493	507
C91480	291	296	306	313	322	335	340	367	369	383
C91481	267	266	278	303	313	323	341	381	394	354
C91482	312	317	326	333	332	346	359	401	427	453
C91483	310	316	324	330	337	348	349	370	385	398
C91484	296	302	312	323	326	345	348	382	344	263
C91485	279	279	293	295	296	299	318	341	349	365
C91486	300	310	318	324	330	350	361	402	419	446
C91487	310	311	318	326	332	349	386	430	478	496

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 33	WEEK 37	WEEK 41	WEEK 45	WEEK 49	WEEK 53	WEEK 57	WEEK 61	WEEK 65	WEEK 69
GROUP: FEMALE 6 - 100 PPM										
C91488	336	343	352	365	365	373	377	412	433	458
C91489	305	318	337	347	351	368	391	436	464	498
C91490	291	302	314	326	337	361	381	413	417	409

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 73	WEEK 77	WEEK 81	WEEK 85	WEEK 89	WEEK 93	WEEK 97	WEEK 101	WEEK 105
GROUP: MALE 1 - 0 PPM									
C90711	674	516							
C90712	704	720	705	703	683	675	636	555	434
C90713	847	850	838	829	752	666	588		
C90715	868	885	860	854	784	685			
C90716	815	838	842	862	879	889	915	924	923
C90720	977	987	978	945	866				
C90722	793	812	811	830	830	851	862	890	886
C90724	872	893	902	931	956	962	977	974	981
C90726	723	700	691	690	671	647	660	662	634
C90727	852	860	845	843	803	720	485		
C90728	948	969	949	932	926	931	937	937	909
C90729	819	846	845	856	838				
C90733	732	644	658	633	645	604			
C90734	915	807							
C90735	743	745	746	769	761	673	685	689	712
C90738	722	718	715	712	690	691	673		
C90739	783	792	788	796	807	830	849	749	
C90741	828	840	834	844	873	805	654		
C90742	772	795	797	803	810	809	819	818	816
C90743	978	1004	1019	1047	1069	1074	1094	1090	1089
C90744	851	862	845	759					
C90745	709	502							
C90747	696	636	618	606	580	568	540	511	488
C90749	740	741	731	705	653	460			
C90750	784	797	811	835	829	841	854	864	856
C90755	1057	1067	1051	1042	1019	994	960		
C90758	821	834	589	757	799	788	781	781	739
C90759	709	664	538	387					
C90760	878	821	702	670					
C90761	785	765	782	802	802	807			
C90762	715	719							
C90763	807	818	836	702					

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Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 73	WEEK 77	WEEK 81	WEEK 85	WEEK 89	WEEK 93	WEEK 97	WEEK 101	WEEK 105
GROUP: MALE 1 - 0 PPM									
C90764	727	718	712						
C90765	900	908	932	925	897	907	906	922	930
C90770	708	706	705	647	536				
C90771	717	734	723	692	594	545			
C90776	1013	1029	1027	1031	1031	1044	1029		
C90777	931	902	848	781					
C90778	680	686	678	686	670	676	699	704	739
C90779	830	813	796	770	674	459			
GROUP: MALE 2 - 3 PPM									
C90781	815	842	833	849	851	839	837	826	770
C90782	797	813	772	763	768	756	710	709	701
C90783	659	676	679	653	655	672	667	675	686
C90784	705	696	666	639	588	495			
C90785	831	813	782	806	805	801	774	693	510
C90786	716	721	723	741	736	719			
C90787	885	908	897	915	920	918	941	871	634
C90788	931	947	960	992	987	1010	1033	1059	1070
C90790	896	820	640						
C90791	719	732	735	759	774	788	811	813	796
C90793	756	685							
C90794	931	902	900	884	857	852	879	839	795
C90798	870	892	907	919	908	923	914	782	
C90799	705	709	706	712	705	702	704	709	707
C90800	836	823	789						
C90801	832	758	783	792	841	865	890		
C90802	714	664	445						
C90803	743	709	652	641	616	598			
C90804	860	857	857	844	815	778	736	641	538
C90809	691	664	681	661	671	696	717	734	743

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Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 73	WEEK 77	WEEK 81	WEEK 85	WEEK 89	WEEK 93	WEEK 97	WEEK 101	WEEK 105
GROUP: MALE 2 - 3 PPM									
C90810	977	1000	979	977	990	999	999	984	944
C90811	813	824	839	838	839	848	856	851	877
C90812	784	779	775	780	762	747	703	623	524
C90815	757	767	774	764	742	741	742	713	670
C90816	944	883	831	655					
C90819	1002	1012	1005	1026	1031				
C90821	990	991	1006	1004	1023	1061	1100		
C90822	695	512							
C90823	789	786	790	811	808	800	784	787	799
C90824	845	825	684						
C90825	875	879	876	886	871	875	869		
C90826	887	886	874	896	888				
C90828	738	695							
C90829	1080	1105	1127	1147	1172	1190	1202	1224	1219
C90830	794	805	797	828	838	842	848	857	822
C90832	803	850	829	846	854	860	856	877	906
C90835	764	767	770	757	740	755	755	718	677
C90837	439								
C90838	1101	1110	1118	1126	1108	1088	1075	1026	963
C90839	1037	1002	866	819	808	725	714		
C90840	984	987	988	892	895	893	880	873	841
GROUP: MALE 3 - 30 PPM									
C90841	795	817	823	832	740	750	527		
C90842	608	615	625	629	617	605	592	581	592
C90844	851	860	879	852	853	850	835	799	673
C90845	873	780							
C90847	772	775	778	727	682	636	520		
C90848	986								
C90849	660	499							

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 73	WEEK 77	WEEK 81	WEEK 85	WEEK 89	WEEK 93	WEEK 97	WEEK 101	WEEK 105
GROUP: MALE 3 - 30 PPM									
C90850	752	767	782	783	789	776	672	637	606
C90851	760	765	778	776	781	796	819	831	832
C90854	797	798	812	816	808	818	816	803	775
C90855	797	801	805	817	799	811	821	816	818
C90856	852	856	869	890	899	923	936	946	946
C90857	736	719	704	720	708	711	665	557	
C90858	725	717	709	692	682	680	662	646	614
C90860	574	578	580	597	593	600	613	609	609
C90864	714	714	719	734	724	728	739	740	756
C90865	664	679	689	695	708	735	748	750	733
C90867	588	593	599	604	610	618	612	616	619
C90868	667								
C90869	878	903	914	914	929	943	928	910	924
C90870	803	675							
C90871	706	709	719	734	740	743	755	754	752
C90872	757	773	789	799	735				
C90873	640								
C90875	807	826	826	835	842				
C90879	752	657	448						
C90881	917	926	951	950	940	976	1008	1026	1014
C90882	874	899	917	921	936	959	1004	1016	1016
C90883	657	670	674	691	676	679	682	680	653
C90884	633	637	635	633	647	681	697	675	626
C90885	835	841	836	846	825	866	794	788	781
C90886	885	910	840	694	573				
C90888	721	689	439						
C90889	743	769	751	765	778	822	835	849	859
C90892	578	422							
C90893	827	838	835	855	864	892	930	954	944
C90894	805	797	785	806	785	781	751		
C90895	752	759	765	780	782	781			

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 73	WEEK 77	WEEK 81	WEEK 85	WEEK 89	WEEK 93	WEEK 97	WEEK 101	WEEK 105
GROUP: MALE 3 - 30 PPM									
C90897	897	917	914	914	930	953			
C90899	682	696	695	702	716	738	748	656	
C90900	712	716	716	713	711	709	727	696	699
GROUP: MALE 4 - 100 PPM									
C90901	700								
C90903	687	699	713	712	724	739	746	663	
C90904	613	619	631	632	632	621	612	615	601
C90906	801	806	816	826	850	872	864	740	
C90908	748	760	743	768	777	785	791	811	833
C90910	722	729	742	751	754	768	791	819	845
C90911	717	716	731	733	733	734	738	749	758
C90912	524	507	429						
C90914	861	891	914	938	914	868	777		
C90915	851	885	891	901	912	906			
C90916	706	712	717	723	730	750	753	749	770
C90919	655	657							
C90920	736	763	771	759	754	794	827	813	
C90923	729	742	717	552					
C90925	732	760	780	792	780	643			
C90926	835	854	858	887	853	855	749	684	442
C90927	703	716	742	746	755	769	772	787	801
C90928	662	667	683	607	493	522	481	496	527
C90930	683	688	699	643	597				
C90931	742	747	763	744	745	761	710		
C90933	736	732	728	743	745	765	792	814	842
C90934	668	675	679	701	704	719	727	692	
C90936	695	714	740	746	720	746	735	661	
C90937	661	664	653	659	643	630	594	520	
C90941	905	848	728	605					

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 73	WEEK 77	WEEK 81	WEEK 85	WEEK 89	WEEK 93	WEEK 97	WEEK 101	WEEK 105
GROUP: MALE 4 - 100 PPM									
C90943	686	657	650	659	580				
C90944	603	609	618	630	636	635	640	654	669
C90946	615	485							
C90947	725	730	709	698	698	691	667	617	550
C90948	666	653	640	657	663	653	655	649	655
C90953	724	729	729	750	756	779	780	762	766
C90955	756	748	774	786	790	789	787	787	793
C90956	736	756	789	811	826	841	836	820	630
C90958	748	694	717	709	701	683			
C90959	798	785	806	756					
C90963	450								
C90964	532								
C90965	527	538	547	543	545	556	542	557	570
C90968	715	744	762	652	677	659	655	603	645
C90969	894	890	739	653					
C90970	729	742	755	771	772	784	799		
GROUP: MALE 6 - 100 PPM									
C91042	814	830	824	849	847	690			
C91043	817	859	893	941					
C91047	633	659	649	664	663	655	687	692	720
C91048	800	712							
C91050	818	828	838	860	863	858	767	760	
C91051	852	870	872	733	492				
C91053	686	690	662						
C91054	976	982	1005	1028	1061	1067	1088	1105	1084
C91055	1034	1066	989						
C91056	754	775	778	769	771	777	777	773	766
C91057	624								
C91058	745	759	784						

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 73	WEEK 77	WEEK 81	WEEK 85	WEEK 89	WEEK 93	WEEK 97	WEEK 101	WEEK 105
GROUP: MALE 6 - 100 PPM									
C91059	870	866	666						
C91060	761	787	800	816	812	817	829	831	833
C91061	755	763	773	801	788				
C91062	786	780	593	551	405	335			
C91063	567	578	595	607	617	570	439		
C91064	838	853	866	888	889	891	915		
C91065	650	669	685	674	682	708	734	763	759
C91066	687	533	480	417					
C91067	838	831	840	857	853	875	836		
C91069	1046	1088	1129						
C91070	686	687	695	690	682	676	667	643	621
C91071	904	927	949	974	980	998	1014	1000	955
C91072	666	666	669	651	623	577	590	565	500
C91073	989	1005	990	877	919	954	972	993	1027
C91074	708	734	732	703	722	744	759	719	
C91075	836	736							
C91076	789	800	820	774	778	760	787	778	795
C91077	770	735	713						
C91078	703	713	709	700	690	642			
C91079	719	683	609	463					
C91080	754	769	780	802	819	810	747		
GROUP: FEMALE 1 - 0 PPM									
C91123	453	464	484	502	521	530	533		
C91125	482	490	505	526	526	490			
C91127	538	540	538	554	553	555	557	530	365
C91128	663								
C91130	473	381							
C91131	343	351	352	365	361	372	368	374	358
C91132	518	484	493	528	464				

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 73	WEEK 77	WEEK 81	WEEK 85	WEEK 89	WEEK 93	WEEK 97	WEEK 101	WEEK 105
GROUP: FEMALE 1 - 0 PPM									
C91134	332								
C91136	581	609	618	582	482				
C91137	406	442	451	468	481	494	501	458	
C91138	316	322	322	343	348	370	372	400	441
C91141	447	468							
C91142	367								
C91144	313	317	313	325	326	336	333	336	349
C91146	395								
C91147	482	336							
C91148	465	480	494	516	523	553	587	623	631
C91149	396	392	406	394					
C91150	431								
C91151	367								
C91153	754	737	716						
C91154	529	509							
C91156	576								
C91157	371	369	372	389	384	393	404	401	422
C91158	572	598	626	658	684	715			
C91159	479	490	528	548	541	575	585	586	613
C91164	687	703	714	664	628	563			
C91166	491	511	519	540	547	566	587	598	612
C91167	583	604	617	617	611	636	656	684	
C91168	433	441	467						
C91170	540	512	418	343	262				
C91172	430	425	419	411	405	436	458	483	489
C91175	638	650	662	590					
C91176	632	637	662	692	707	729	672	602	458
C91177	545	576	595	619	644	652			
C91178	453	475	481	483	410				
C91182	693	709	600	425					
C91183	538	549	562	586	589	605	616	620	645

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 73	WEEK 77	WEEK 81	WEEK 85	WEEK 89	WEEK 93	WEEK 97	WEEK 101	WEEK 105
GROUP: FEMALE 1 - 0 PPM									
C91184	675	699	700	704	594				
C91186	486	484	494	515	502	443	461		
C91187	298								
C91188	507	505	528	539	545	565	602	609	605
C91189	344	347	355	355	356	324			
C91190	405	401	408	407	407	417	437	428	412
GROUP: FEMALE 2 - 3 PPM									
C91191	629	640	661	661	628	664	553		
C91193	463	457	466	458	389				
C91194	471	480	483	486	471	442	441	372	
C91195	561	573	595	613	611	570	468		
C91196	596	614	497						
C91197	538	542	546	560	558	578	603	595	620
C91199	492	504	533	534	534	469	377		
C91200	422	445	452	458					
C91201	474	495	500	500	511	521	492	429	407
C91202	608	637	659	644					
C91203	590								
C91206	382								
C91207	406	420	431	434	426	416	449	438	452
C91208	340								
C91209	424								
C91210	498								
C91211	563	553	562	572	578	596	609	607	603
C91213	488	399							
C91214	536	536	545	540	535	571	548		
C91216	370	370	372	366	371	380	387	396	403
C91218	448	368	450	361	345	385	332		
C91219	459	476	460	365					

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 73	WEEK 77	WEEK 81	WEEK 85	WEEK 89	WEEK 93	WEEK 97	WEEK 101	WEEK 105
GROUP: FEMALE 2 - 3 PPM									
C91220	523	536	559	573	561	602	639	667	675
C91221	519	531	548	558	588	622	641	648	628
C91224	426	415	433	444	440	409	368		
C91225	422	438	443						
C91226	512	426	416	435					
C91227	481	495	504	506	513	516	522	538	575
C91228	458	458	477	493	451	392			
C91229	396	338	392	362	372	303			
C91231	598	610	625	644	642				
C91232	391	392	406	396	403	419	420	434	434
C91235	381	404	422	412	430	433	462	477	490
C91236	386	393	409	420	434	446	462	477	472
C91240	415	438							
C91242	412	409	427	427	430	449	447	461	474
C91243	516	521	547	562	577	592	612	611	604
C91245	558	570	595	603	587	542			
C91246	454	431	431	437					
C91247	401								
C91249	665	685	705	715	709	563	409		
C91250	505								
GROUP: FEMALE 3 - 30 PPM									
C91252	548	554	560	580	577	611	625	630	637
C91253	479	485	496	517	527	527	544	558	577
C91254	382	389	386	398	395	397	421	435	434
C91255	400								
C91256	414	420	430	441	439	452	424	420	423
C91257	378	333	283						
C91258	462	463	462	326					
C91260	326								

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 73	WEEK 77	WEEK 81	WEEK 85	WEEK 89	WEEK 93	WEEK 97	WEEK 101	WEEK 105
GROUP: FEMALE 3 - 30 PPM									
C91261	437	453	468	472	468	435	433		
C91262	400	405	407	395	282				
C91264	412	404	419	434	430	449	470	477	424
C91265	450	464	466	481	461	363			
C91266	515	523	534	545	561	570	524	468	
C91268	512	517	547	562	580	601	619		
C91269	593	521	410						
C91271	548	561	539	443	404	359			
C91273	426	424	360						
C91276	339	342	340	362	352	393	420		
C91278	410	422	427	423	426	432	445	444	448
C91279	602	612	590	583	572	563	569	588	573
C91280	484	492	497	501	505	509	419		
C91283	525	517	541	534	386	311			
C91284	471	465	481	478	481	499	504		
C91286	367	366	378	380	380	398	394	410	415
C91289	227								
C91292	610	629	649	666	684	715	634	775	782
C91294	434	468	456	471	472	496	515	516	491
C91295	490	495	519	528	538	562	565	551	491
C91296	335	335	311	256					
C91297	421	417	433	429	446				
C91298	342								
C91300	316	317	311						
C91301	570	584	601	623	645	666	687	697	705
C91303	591	607	617	621	610	634	640	645	626
C91305	608	612	617	603					
C91306	391	397	413	404	406	418	413	460	
C91307	456	464	483	490	503	516	517	474	427
C91310	476	494	511	529	535	534	549	543	558

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 73	WEEK 77	WEEK 81	WEEK 85	WEEK 89	WEEK 93	WEEK 97	WEEK 101	WEEK 105
GROUP: FEMALE 4 - 100 PPM									
C91312	293	293	302	309	298	284	217		
C91313	392	392	380	370					
C91314	341								
C91315	395	405	414	419	421	439	451	470	510
C91320	428	353							
C91321	471	473	491	486	459	427			
C91324	308	314	327	331	323	332	336	337	348
C91325	366	379	386	406	424	433	424	364	
C91326	292	275	237	221					
C91327	353	354	367	400	405	469	495	513	532
C91330	474	501	501	418					
C91331	465	327							
C91332	314	320	327	340	336	341	336	315	335
C91334	425	431	422	422	417	403	315	348	
C91335	359	362	369	378	386	409	410	402	424
C91336	320	318	330	337	336	346	345	354	359
C91338	281	297	292	312	310	311	317	330	338
C91339	423	425	438	454	443	404	327		
C91340	413	408	409	405	397	403	390	323	318
C91341	392	397	398	415	430	445	460	458	468
C91342	393	405	416	423	427	448	459	462	469
C91344	350	355	369	377	381	394	375	355	
C91351	514	536	520	467	454	385			
C91354	260	255	247	242					
C91356	443	471	523	531	510	486	456	391	316
C91357	292	288	288	301	299	306	325	315	326
C91358	427								
C91359	389	399							
C91360	319	321	327	335	330	346	352	345	359
C91361	354	365	370	365	364	373	361	360	369
C91362	500	519	535	576	604	644	657	668	675

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 73	WEEK 77	WEEK 81	WEEK 85	WEEK 89	WEEK 93	WEEK 97	WEEK 101	WEEK 105
GROUP: FEMALE 4 - 100 PPM									
C91363	434	434	428	452	446	475	296		
C91364	323	312	317	293	271	274	271	276	
C91366	485	484	466	402					
C91369	484								
C91372	388	386	401	400	394	394	408	400	397
C91374	435	439	436	433	405	367	300		
C91375	372	385	358						
C91376	323	322	331	335	330	332	336	340	354
C91378	296	304	305	312	306	304	297	300	316
C91380	333	324	311	329	320	340	413	421	448
GROUP: FEMALE 6 - 100 PPM									
C91451	406	419	447	454	471	474	496	485	482
C91452	581								
C91453	490	498	527	524	559	561	446	361	348
C91454	350	373	337						
C91455	385	401	410	429	445	450	452	460	454
C91456	443	351							
C91457	473	505	506	534	553	578			
C91459	517	553	565	563	586	600	614	580	586
C91461	578	541	493	404					
C91462	491	508	510	518	531	531	524	528	513
C91463	433	438	436	430					
C91464	293								
C91465	465	480	355	269	239				
C91466	539	571	622	632	607	473			
C91467	395	419	423	445	444	454	491	500	511
C91471	458	462	446	441	425	418	310		
C91472	546	551	584	603	631	656	641		
C91473	408	420	446	460	485	493	513	524	529

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 73	WEEK 77	WEEK 81	WEEK 85	WEEK 89	WEEK 93	WEEK 97	WEEK 101	WEEK 105
GROUP: FEMALE 6 - 100 PPM									
C91474	458	473	494	453	371	315			
C91475	554	598	609	610	630	671	678		
C91476	451	387							
C91477	463	478	416	339					
C91478	518	534	564	539					
C91479	518	539	556	557	569	582	607	630	638
C91480	389	400	420	432	438	452	462	456	462
C91481	317								
C91482	463	463	416	371	309	284			
C91483	409	427	438	440	446	434			
C91485	382	391	397	415	418	441	464	473	474
C91486	470	446	359	357	263				
C91487	530	563	604	608	636	669	690	708	726
C91488	462	479	488	476	502	496	521	521	537
C91489	535	550	583						
C91490	437	477	459						

APPENDIX 4

Individual Food Consumption Data (g)
Individual Test Material Consumption Data (mg/kg/day)

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 1 - 0 PPM										
C90711	175	177	188	176	177	179	186	180	176	172
C90712	162	163	187	178	173	174	180	175	183	175
C90713	177	182	193	222	218	230	224	218	206	194
C90714	160	165	201	184	183	189	195	197	182	185
C90715	182	180	178	178	175	186	194	185	189	184
C90716	157	167	171	168	163	166	169	165	166	159
C90717	171	165	181	187	188	188	190	NOT TAKEN		
C90718	SPILLED	162	169	174	170	176	177	NOT TAKEN		
C90719	156	160	167	NOT TAKEN						
C90720	176	186	194	195	196	197	199	192	195	191
C90721	188	192	211	235	253	248	257	260	SPILLED	178
C90722	169	196	SPILLED	213	172	SPILLED	161	170	163	162
C90723	182	196	201	209	213	217	218	214	218	208
C90724	189	183	182	191	189	189	179	178	166	165
C90725	170	173	177	NOT TAKEN						
C90726	162	172	175	183	191	189	SPILLED	SPILLED	SPILLED	187
C90727	181	191	195	207	201	206	207	208	204	201
C90728	165	169	177	172	176	178	179	177	176	174
C90729	176	183	190	192	192	194	183	188	184	180
C90730	184	184	195	190	185	196	193	196	185	183
C90731	179	197	206	214	212	206	212	216	209	205
C90732	200	199	209	NOT TAKEN						
C90733	193	198	197	209	202	199	202	200	191	197
C90734	230	225	226	221	217	224	220	223	213	218
C90735	175	177	182	184	187	181	176	177	169	178
C90736	228	SPILLED	181	190	186	190	199	198	185	183
C90737	161	168	176	180	186	186	184	NOT TAKEN		
C90738	185	176	204	184	215	193	191	199	200	195
C90739	165	174	SPILLED	183	185	190	186	190	173	175
C90740	155	168	172	196	177	177	177	186	175	180
C90741	152	160	166	175	183	187	182	182	179	174

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 1 - 0 PPM										
C90742	159	164	170	177	182	181	178	177	170	174
C90743	171	180	185	197	198	196	192	197	193	192
C90744	180	187	194	202	191	191	193	186	201	210
C90745	163	172	172	181	177	178	181	174	174	175
C90746	165	178	186	199	201	201	204	SPILLED	199	202
C90747	167	176	177	176	183	170	180	179	170	172
C90748	193	196	200	202	205	208	209	201	193	200
C90749	158	167	165	169	161	158	166	162	166	170
C90750	163	171	174	177	171	160	165	169	170	163
C90751	SPILLED	181	181	184	184	182	SPILLED	SPILLED	SPILLED	200
C90752	201	211	206	216	206	220	222	SPILLED	215	210
C90753	171	183	182	NOT TAKEN						
C90754	188	197	208	230	SPILLED	SPILLED	SPILLED	SPILLED	214	228
C90755	187	193	194	195	200	204	209	210	213	213
C90756	146	152	160	165	162	165	166	NOT TAKEN		
C90757	181	178	184	192	189	187	189	189	186	187
C90758	171	177	183	202	200	224	SPILLED	226	215	205
C90759	163	174	183	190	189	190	191	185	176	173
C90760	185	199	SPILLED	194	210	194	SPILLED	193	196	180
C90761	171	172	165	176	174	174	177	175	174	176
C90762	177	188	182	183	182	178	201	169	179	165
C90763	188	186	195	193	202	197	202	195	199	194
C90764	172	186	187	197	192	197	SPILLED	205	SPILLED	182
C90765	197	200	207	204	200	206	211	205	208	202
C90766	162	167	190	178	176	180	180	178	164	177
C90767	154	159	169	166	176	177	179	174	199	178
C90768	169	182	184	188	184	204	214	176	176	171
C90769	175	182	181	183	178	180	183	NOT TAKEN		
C90770	180	171	172	189	188	SPILLED	SPILLED	178	155	172
C90771	177	180	176	183	186	183	184	177	175	173
C90772	182	199	SPILLED	191	192	193	191	192	179	175

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 1 - 0 PPM										
C90773	174	184	181	192	191	192	197	192	188	188
C90774	176	179	179	193	185	182	182	179	175	179
C90775	176	179	SPILLED	NOT TAKEN						
C90776	193	185	196	203	199	206	212	215	205	200
C90777	177	188	193	206	205	211	215	218	209	202
C90778	167	168	171	176	176	176	180	173	167	167
C90779	181	192	197	193	189	188	186	183	181	178
C90780	166	177	182	189	193	195	201	203	203	198
GROUP: MALE 2 - 3 PPM										
C90781	162	169	169	172	171	174	172	SPILLED	182	182
C90782	SPILLED	169	182	189	SPILLED	198	234	186	205	191
C90783	145	148	157	164	167	166	158	164	160	159
C90784	161	167	173	175	174	176	168	170	170	171
C90785	163	167	172	177	177	184	187	191	186	191
C90786	177	175	168	179	179	176	176	175	161	163
C90787	162	167	173	181	187	195	199	198	197	197
C90788	217	180	188	188	185	181	181	180	178	177
C90789	176	186	197	NOT TAKEN						
C90790	186	190	198	197	204	203	209	210	204	206
C90791	145	158	157	168	177	173	174	173	175	170
C90792	165	175	181	197	199	193	187	191	192	183
C90793	161	169	181	182	180	177	182	180	178	171
C90794	173	194	195	198	214	202	201	204	205	201
C90795	168	177	176	182	191	183	192	197	194	193
C90796	179	185	206	199	198	194	210	214	221	219
C90797	156	159	165	168	172	174	182	180	173	175
C90798	188	195	201	137	182	176	195	175	197	178
C90799	168	171	174	174	169	169	177	176	170	165
C90800	174	185	SPILLED	185	185	192	190	194	184	185

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 2 - 3 PPM										
C90801	169	174	182	190	198	196	200	205	203	203
C90802	147	160	156	164	160	162	160	161	152	154
C90803	185	199	195	200	205	202	190	192	185	181
C90804	190	204	209	212	211	218	222	212	213	210
C90805	195	198	193	202	205	208	200	199	195	197
C90806	149	152	150	164	168	165	162	161	159	160
C90807	172	178	183	187	183	175	176	177	173	181
C90808	174	183	189	193	202	198	199	200	199	198
C90809	171	173	173	180	SPILLED	178	188	177	176	189
C90810	173	190	192	194	197	196	198	191	191	188
C90811	172	172	175	186	205	198	203	198	195	202
C90812	165	172	174	177	173	177	181	181	183	172
C90813	150	152	156	157	162	162	154	NOT TAKEN		
C90814	144	151	158	NOT TAKEN						
C90815	167	177	183	185	189	193	198	196	194	195
C90816	177	178	177	192	188	189	196	192	198	200
C90817	161	161	164	NOT TAKEN						
C90818	171	190	185	193	199	205	SPILLED	203	SPILLED	221
C90819	183	191	196	190	191	200	193	192	185	182
C90820	165	163	171	172	178	175	180	174	176	178
C90821	189	190	194	202	199	208	206	204	198	197
C90822	138	146	152	154	153	156	163	159	159	159
C90823	148	152	155	161	158	159	167	169	171	175
C90824	180	180	191	181	177	191	188	187	177	174
C90825	175	186	198	194	193	195	195	190	193	194
C90826	204	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	245
C90827	160	172	179	182	185	185	188	183	184	179
C90828	178	195	203	215	209	219	212	221	223	227
C90829	191	203	201	203	202	199	206	203	203	195
C90830	175	186	192	193	201	191	187	191	188	186
C90831	169	180	178	183	185	186	195	203	201	193

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 2 - 3 PPM										
C90832	177	191	198	208	202	199	207	196	190	188
C90833	186	202	218	NOT TAKEN						
C90834	179	192	195	NOT TAKEN						
C90835	174	179	175	182	186	183	208	189	195	182
C90836	168	162	161	179	183	181	183	181	178	179
C90837	163	163	168	175	173	179	174	172	168	164
C90838	193	202	203	210	214	212	215	208	213	211
C90839	186	193	198	208	213	217	214	219	214	206
C90840	167	177	183	188	195	193	197	197	196	192
GROUP: MALE 3 - 30 PPM										
C90841	160	164	164	170	184	189	188	185	184	180
C90842	138	154	132	145	146	142	148	141	149	142
C90843	167	177	173	189	180	191	SPILLED	183	187	189
C90844	179	186	187	SPILLED	190	SPILLED	188	SPILLED	200	192
C90845	SPILLED	174	177	179	183	185	183	183	179	176
C90846	149	151	148	NOT TAKEN						
C90847	159	165	168	171	166	170	165	163	171	163
C90848	159	168	175	185	186	185	188	188	195	184
C90849	170	175	178	176	176	183	175	176	181	193
C90850	154	156	164	165	168	167	172	165	165	159
C90851	161	178	172	183	195	193	190	179	SPILLED	175
C90852	172	197	179	178	179	183	180	191	178	181
C90853	SPILLED	149	164	NOT TAKEN						
C90854	184	195	194	194	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	195
C90855	210	197	194	187	195	185	182	185	182	183
C90856	173	182	174	183	177	178	189	178	179	184
C90857	170	174	168	182	181	184	188	178	182	182
C90858	151	156	152	159	154	159	165	163	148	152
C90859	178	188	199	195	191	190	196	193	192	192

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 3 - 30 PPM										
C90860	163	167	166	165	170	SPILLED	166	169	154	157
C90861	158	158	167	172	173	178	177	181	173	173
C90862	148	159	156	169	156	163	153	156	152	159
C90863	216	226	229	SPILLED	226	216	215	214	210	204
C90864	176	178	177	172	169	175	181	183	176	170
C90865	162	158	165	166	157	160	157	159	155	159
C90866	177	161	160	NOT TAKEN						
C90867	160	162	165	162	165	164	171	165	169	163
C90868	184	174	184	193	195	198	194	195	195	191
C90869	194	197	204	202	199	189	190	187	185	175
C90870	184	SPILLED	SPILLED	SPILLED	192	192	189	188	187	193
C90871	158	162	162	168	171	168	163	154	154	156
C90872	156	SPILLED	166	172	173	179	175	172	172	165
C90873	178	179	182	194	201	203	201	191	203	198
C90874	175	179	184	189	187	189	188	193	194	194
C90875	161	165	172	169	174	170	167	169	178	166
C90876	204	202	213	202	196	185	197	197	209	204
C90877	157	158	166	174	177	170	170	169	146	168
C90878	147	154	158	172	172	171	172	179	174	170
C90879	180	171	184	185	178	175	184	185	188	186
C90880	192	197	206	196	199	198	201	203	206	198
C90881	176	182	189	193	191	182	186	181	188	184
C90882	172	174	178	180	185	189	188	188	187	185
C90883	182	202	191	SPILLED	220	215	SPILLED	215	214	220
C90884	174	173	183	171	171	174	177	179	173	183
C90885	177	174	176	168	167	160	168	165	157	159
C90886	190	201	188	199	211	203	202	205	203	195
C90887	173	174	177	176	180	174	179	184	180	183
C90888	167	166	171	176	171	162	168	167	165	165
C90889	168	168	171	159	161	160	165	168	156	154
C90890	187	185	186	NOT TAKEN						

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 3 - 30 PPM										
C90891	180	194	196	NOT TAKEN						
C90892	130	123	127	132	141	139	146	149	148	148
C90893	181	181	183	181	185	185	188	187	179	174
C90894	182	177	169	174	181	178	185	175	172	167
C90895	191	200	190	171	192	172	180	184	199	187
C90896	194	SPILLED	SPILLED	SPILLED	181	181	SPILLED	169	SPILLED	209
C90897	181	187	191	195	204	197	204	199	195	186
C90898	168	169	168	169	175	170	182	179	169	171
C90899	151	156	157	156	157	154	168	167	163	153
C90900	166	164	171	174	173	169	175	184	176	173
GROUP: MALE 4 - 100 PPM										
C90901	154	151	147	155	158	161	155	150	144	151
C90902	165	159	152	162	161	158	152	155	145	150
C90903	154	150	149	155	157	159	153	148	147	139
C90904	169	162	166	169	162	160	164	159	156	156
C90905	156	SPILLED	160	168	168	162	161	165	162	164
C90906	161	153	157	168	173	167	167	164	171	166
C90907	155	148	153	158	162	159	152	150	149	153
C90908	174	169	176	180	179	177	172	171	167	171
C90909	179	188	188	191	183	181	193	198	185	188
C90910	162	155	161	164	169	173	174	175	166	169
C90911	175	167	167	167	173	170	166	164	172	171
C90912	162	160	167	173	178	175	178	169	177	170
C90913	169	175	171	174	172	155	89	140	187	185
C90914	188	184	185	188	189	183	187	182	182	182
C90915	175	174	186	191	198	193	183	190	179	183
C90916	142	147	150	149	152	147	142	150	146	145
C90917	174	174	183	180	185	179	179	181	172	159
C90918	174	179	179	179	182	180	184	188	177	168

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 4 - 100 PPM										
C90919	182	178	189	187	192	185	185	187	187	179
C90920	162	162	165	172	169	165	169	168	171	166
C90921	169	169	164	159	170	167	169	170	165	170
C90922	162	153	163	157	160	158	153	159	147	152
C90923	176	167	171	168	166	166	165	171	165	172
C90924	165	164	175	172	177	174	184	184	173	181
C90925	176	SPILLED	168	160	158	160	155	160	151	154
C90926	169	180	185	182	185	182	182	184	177	173
C90927	176	181	180	184	185	181	178	174	169	162
C90928	151	152	157	158	157	156	157	154	149	149
C90929	151	159	150	154	157	156	152	159	159	159
C90930	190	179	176	175	155	174	177	179	179	180
C90931	161	153	158	172	177	181	172	169	168	162
C90932	163	149	154	151	142	151	152	154	150	149
C90933	188	188	192	197	195	194	193	193	182	184
C90934	159	157	156	153	162	160	154	154	172	166
C90935	182	178	177	NOT TAKEN						
C90936	171	165	173	154	170	172	173	175	168	168
C90937	173	209	170	176	154	183	170	160	SPILLED	169
C90938	156	158	162	165	161	160	165	169	165	160
C90939	164	157	160	NOT TAKEN						
C90940	203	186	193	198	197	194	194	199	194	184
C90941	199	174	180	SPILLED	190	185	190	187	176	180
C90942	164	164	163	NOT TAKEN						
C90943	SPILLED	180	SPILLED	SPILLED	202	SPILLED	188	177	167	190
C90944	139	139	144	142	138	140	143	151	150	144
C90945	157	157	156	156	155	151	154	156	151	142
C90946	168	157	SPILLED	165	172	170	164	163	150	160
C90947	166	161	163	164	163	165	162	156	158	159
C90948	206	173	171	173	176	176	175	177	171	163
C90949	199	166	156	149	162	140	131	147	129	104

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 4 - 100 PPM										
C90950	177	177	179	170	169	175	179	182	167	169
C90951	169	168	165	146	163	170	173	177	163	165
C90952	195	197	206	202	193	189	192	194	180	177
C90953	154	156	163	171	165	165	167	170	163	157
C90954	164	162	169	159	165	162	168	171	157	150
C90955	188	184	186	177	174	163	166	166	165	167
C90956	165	161	167	168	172	175	180	183	169	110
C90957	158	159	161	165	168	168	128	156	164	156
C90958	176	166	169	175	181	177	166	171	155	154
C90959	162	163	169	164	168	170	173	177	165	168
C90960	174	194	174	176	181	178	195	178	167	168
C90961	155	154	SPILLED	NOT TAKEN						
C90962	189	188	185	190	190	189	185	190	178	178
C90963	176	173	181	184	188	182	186	184	177	176
C90964	206	208	210	205	209	203	201	197	193	192
C90965	165	166	166	163	159	157	135	152	147	143
C90966	181	187	187	NOT TAKEN						
C90967	148	152	153	166	174	175	166	167	161	160
C90968	147	150	150	164	165	168	167	166	157	154
C90969	177	179	177	181	182	185	181	196	189	202
C90970	155	151	156	169	173	157	SPILLED	160	157	155
GROUP: MALE 5 - 300 PPM										
C90971	131	110	107	111	110	120	116	NOT TAKEN		
C90972	129	121	125	120	112	108	112	NOT TAKEN		
C90973	167	162	157	157	164	161	151	NOT TAKEN		
C90974	158	147	142	145	138	138	138	NOT TAKEN		
C90975	176	174	178	168	170	174	179	NOT TAKEN		
C90976	163	144	137	137	130	127	130	NOT TAKEN		
C90977	162	144	147	135	SPILLED	SPILLED	SPILLED	NOT TAKEN		

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 5 - 300 PPM										
C90978	159	154	SPILLED	145	142	134	133	NOT TAKEN		
C90979	142	138	131	127	133	127	137	NOT TAKEN		
C90980	174	169	169	166	169	163	164	NOT TAKEN		
C90981	172	165	159	151	155	151	149	NOT TAKEN		
C90982	157	158	158	151	145	156	148	NOT TAKEN		
C90983	130	146	127	117	109	114	113	NOT TAKEN		
C90984	167	154	156	NOT TAKEN						
C90985	158	153	136	131	134	128	132	NOT TAKEN		
C90986	165	163	156	165	SPILLED	149	147	NOT TAKEN		
C90987	158	148	138	137	139	139	147	NOT TAKEN		
C90988	212	170	155	133	SPILLED	SPILLED	SPILLED	NOT TAKEN		
C90989	173	166	161	158	156	150	155	NOT TAKEN		
C90990	161	157	161	148	153	154	153	NOT TAKEN		
C90991	149	150	147	155	143	142	149	NOT TAKEN		
C90992	154	147	142	133	134	143	144	NOT TAKEN		
C90993	163	155	158	154	160	152	145	NOT TAKEN		
C90994	169	157	157	156	153	157	154	NOT TAKEN		
C90995	163	EXCLUDE	156	150	152	140	149	NOT TAKEN		
C90996	173	161	153	150	146	148	150	NOT TAKEN		
C90997	162	153	141	138	139	143	142	NOT TAKEN		
C90998	143	143	146	146	153	161	163	NOT TAKEN		
C90999	157	148	144	137	137	135	139	NOT TAKEN		
C91000	158	145	136	130	138	128	124	NOT TAKEN		
C91001	171	164	166	176	174	184	174	NOT TAKEN		
C91002	139	133	132	133	128	131	128	NOT TAKEN		
C91003	152	139	134	137	127	132	NOT TAKEN			
C91004	183	SPILLED	146	145	SPILLED	145	141	NOT TAKEN		
C91005	190	159	160	NOT TAKEN						
C91006	145	138	132	126	128	125	111	NOT TAKEN		
C91007	156	157	153	155	156	160	156	NOT TAKEN		
C91008	SPILLED	172	167	SPILLED	SPILLED	SPILLED	SPILLED	NOT TAKEN		

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 5 - 300 PPM										
C91009	179	176	150	135	137	145	142	NOT TAKEN		
C91010	161	153	146	138	134	134	135	NOT TAKEN		
C91011	170	163	162	159	157	153	157	NOT TAKEN		
C91012	143	133	134	131	131	121	126	NOT TAKEN		
C91013	191	187	185	168	169	166	176	NOT TAKEN		
C91014	149	160	146	SPILLED	138	138	140	NOT TAKEN		
C91015	166	158	159	148	151	150	157	NOT TAKEN		
C91016	148	141	139	135	134	128	136	NOT TAKEN		
C91017	159	143	137	142	141	136	137	NOT TAKEN		
C91018	180	171	168	159	162	154	154	NOT TAKEN		
C91019	178	167	159	155	155	155	145	NOT TAKEN		
C91020	161	150	SPILLED	143	145	145	140	NOT TAKEN		
C91021	151	159	157	161	157	154	SPILLED	NOT TAKEN		
C91022	169	165	158	165	162	162	160	NOT TAKEN		
C91023	162	156	155	161	156	163	156	NOT TAKEN		
C91024	135	132	125	NOT TAKEN						
C91025		187	181	171	170	171	165	NOT TAKEN		
C91026	157	144	SPILLED	142	147	145	147	NOT TAKEN		
C91027	138	138	134	140	133	133	125	NOT TAKEN		
C91028	163	153	149	158	160	154	154	NOT TAKEN		
C91029	151	147	137	141	135	140	NOT TAKEN			
C91030	164	159	152	159	153	162	164	NOT TAKEN		
C91031	133	133	129	130	121	122	105	NOT TAKEN		
C91032	170	165	163	162	173	169	153	NOT TAKEN		
C91033	159	152	148	NOT TAKEN						
C91034	158	148	152	157	157	155	147	NOT TAKEN		
C91035	177	161	152	152	161	160	155	NOT TAKEN		
C91036	152	129	141	134	132	129	126	NOT TAKEN		
C91037	172	164	156	NOT TAKEN						
C91038	196	153	150	154	149	149	142	NOT TAKEN		
C91039	184	179	172	180	183	168	153	NOT TAKEN		

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 5 - 300 PPM										
C91040	165	157	160	159	162	157	159	NOT TAKEN		
GROUP: MALE 6 - 100 PPM										
C91041	182	175	175	178	180	182	180	184	186	184
C91042	173	167	168	165	164	164	157	157	161	168
C91043	168	161	164	171	170	176	173	181	173	176
C91044	168	158	166	177	178	176	173	175	165	177
C91045	176	177	183	194	189	193	183	177	177	175
C91046	174	170	175	173	182	129	NOT TAKEN			
C91047	161	162	161	163	158	161	158	95	137	157
C91048	160	164	161	161	164	177	170	176	179	180
C91049	182	185	187	191	191	194	195	201	200	196
C91050	194	189	201	209	198	202	191	200	172	179
C91051	175	171	181	183	184	182	184	190	198	200
C91052	191	221	200	212	SPILLED	209	207	211	226	206
C91053	SPILLED	187	168	163	161	161	178	SPILLED	158	155
C91054	179	183	184	185	185	179	179	183	172	161
C91055	184	181	185	194	190	190	192	196	186	188
C91056	163	166	163	170	165	162	158	116	166	173
C91057	167	169	166	172	171	171	168	175	169	165
C91058	176	171	169	176	172	174	161	162	154	144
C91059	163	163	169	177	182	178	175	179	173	175
C91060	195	SPILLED	156	164	170	168	168	170	161	165
C91061	163	165	168	170	171	168	171	176	175	175
C91062	169	199	179	179	180	179	180	180	174	165
C91063	153	158	152	146	156	150	142	149	135	131
C91064	157	152	159	168	178	172	170	171	163	164
C91065	169	166	168	170	174	175	170	168	162	158
C91066	170	171	174	171	176	169	175	184	175	175
C91067	170	169	170	170	170	174	174	178	173	169

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 6 - 100 PPM										
C91068	144	132	121	112	106	91	94	89	33	39
C91069	176	172	172	167	175	180	178	187	180	176
C91070	163	157	162	166	165	162	161	162	160	160
C91071	182	186	189	192	194	194	190	196	193	190
C91072	154	155	161	158	156	156	156	157	150	148
C91073	178	181	185	178	183	182	178	184	174	183
C91074	162	159	162	165	160	157	158	155	152	149
C91075	171	179	187	181	196	181	181	181	171	174
C91076	169	167	169	163	160	124	128	168	166	165
C91077	158	158	164	165	169	169	170	167	168	165
C91078	157	154	157	159	155	152	147	148	141	142
C91079	179	177	179	184	185	185	185	181	170	169
C91080	173	166	168	171	175	169	171	174	172	170
GROUP: MALE 7 - 300 PPM										
C91081	SPILLED	150	145	189	146	144	142	NOT TAKEN		
C91082	143	134	130	126	127	121	124	NOT TAKEN		
C91083	151	139	135	134	135	142	138	NOT TAKEN		
C91084	141	134	131	130	135	136	139	NOT TAKEN		
C91085	SPILLED	154	143	146	129	120	108	NOT TAKEN		
C91086	155	146	153	150	148	143	140	NOT TAKEN		
C91087	158	151	139	134	132	123	122	NOT TAKEN		
C91088	153	150	150	146	137	131	130	NOT TAKEN		
C91089	180	170	165	167	170	174	164	NOT TAKEN		
C91090	151	157	155	150	155	151	160	NOT TAKEN		
C91091	155	149	144	152	150	142	138	NOT TAKEN		
C91092	169	156	152	156	150	157	146	NOT TAKEN		
C91093	154	144	145	111	150	157	153	NOT TAKEN		
C91094	152	141	133	126	128	133	129	NOT TAKEN		
C91095	164	148	SPILLED	154	155	156	142	NOT TAKEN		

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 7 - 300 PPM										
C91096	136	134	129	128	134	130	126	NOT TAKEN		
C91097	169	153	147	142	144	140	139	NOT TAKEN		
C91098	166	158	156	154	154	148	149	NOT TAKEN		
C91099	153	129	126	143	114	NOT TAKEN				
C91100	162	153	143	143	139	132	135	NOT TAKEN		
C91101	169	160	159	166	159	166	175	NOT TAKEN		
C91102	156	191	153	144	154	156	146	NOT TAKEN		
C91103	152	141	144	144	141	141	134	NOT TAKEN		
C91104	132	135	128	122	127	124	121	NOT TAKEN		
C91105	159	159	136	132	135	138	139	NOT TAKEN		
C91106	153	146	142	126	149	142	152	NOT TAKEN		
C91107	142	136	133	135	135	135	133	NOT TAKEN		
C91108	165	159	156	154	149	152	151	NOT TAKEN		
C91109	154	153	142	139	140	148	135	NOT TAKEN		
C91110	166	155	160	151	155	155	144	NOT TAKEN		
C91111	147	142	138	135	141	149	150	NOT TAKEN		
C91112	176	170	168	166	168	165	165	NOT TAKEN		
C91113	158	140	138	127	123	115	127	NOT TAKEN		
C91114	187	170	169	156	163	162	155	NOT TAKEN		
C91115	176	172	173	167	158	164	160	NOT TAKEN		
C91116	155	144	141	133	142	138	165	NOT TAKEN		
C91117	189	SPILLED	SPILLED	193	SPILLED	178	SPILLED	NOT TAKEN		
C91118	158	148	149	146	149	162	139	NOT TAKEN		
C91119	176	172	171	168	175	175	172	NOT TAKEN		
C91120	179	164	166	163	168	132	27	NOT TAKEN		
GROUP: FEMALE 1 - 0 PPM										
C91121	118	SPILLED	143	143	139	141	150	144	137	145
C91122	SPILLED	136	SPILLED	162	146	148	169	157	SPILLED	134
C91123	108	122	121	136	127	126	129	114	114	119

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 1 - 0 PPM										
C91124	128	129	137	143	142	139	139	137	122	132
C91125	102	109	112	114	117	124	113	120	121	113
C91126	189	SPILLED	SPILLED	142	SPILLED	137	SPILLED	NOT TAKEN		
C91127	117	127	137	152	134	134	136	131	125	128
C91128	134	160	150	157	175	155	159	153	143	143
C91129	130	147	156	167	156	152	156	150	145	156
C91130	131	128	136	145	165	SPILLED	147	146	148	140
C91131	SPILLED	123	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	158	SPILLED	SPILLED
C91132	183	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C91133	127	130	SPILLED	138	148	142	156	140	125	131
C91134	134	137	142	140	137	142	142	145	132	144
C91135	115	117	SPILLED	NOT TAKEN						
C91136	136	143	140	149	143	152	156	142	149	144
C91137	134	115	109	105	111	115	104	106	100	108
C91138	106	102	SPILLED	110	107	111	107	107	113	108
C91139	174	240	SPILLED	SPILLED	193	146	SPILLED	SPILLED	136	SPILLED
C91140	140	156	165	SPILLED	186	176	162	NOT TAKEN		
C91141	127	115	130	134	137	141	SPILLED	136	133	131
C91142	129	145	150	159	158	151	150	140	136	147
C91143	104	112	131	NOT TAKEN						
C91144	122	115	126	124	115	117	118	114	111	112
C91145	130	140	135	145	145	138	129	NOT TAKEN		
C91146	116	125	126	133	138	135	133	130	131	136
C91147	125	118	123	135	132	160	139	129	125	147
C91148	120	118	138	139	129	130	160	132	131	SPILLED
C91149	104	123	117	SPILLED	159	SPILLED	SPILLED	SPILLED	113	SPILLED
C91150	115	120	141	131	119	124	125	119	120	122
C91151	131	125	128	146	168	149	168	154	149	143
C91152	120	134	124	130	146	137	143	140	130	129
C91153	134	146	138	161	148	142	138	129	131	125
C91154	134	146	163	150	149	133	147	148	138	127

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 1 - 0 PPM										
C91155	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	190
C91156	119	132	134	134	132	151	131	94	123	108
C91157	124	114	127	125	131	127	135	123	121	121
C91158	121	127	130	126	129	121	120	116	121	114
C91159	112	118	108	116	108	116	106	SPILLED	127	105
C91160	122	121	131	147	SPILLED	SPILLED	SPILLED	132	125	170
C91161	108	121	118	137	140	143	148	131	149	148
C91162	124	127	134	127	136	142	133	NOT TAKEN		
C91163	130	132	141	136	129	139	125	NOT TAKEN		
C91164	135	136	132	134	143	120	132	144	123	133
C91165	147	134	142	NOT TAKEN						
C91166	139	140	147	148	146	145	134	154	146	136
C91167	SPILLED	SPILLED	146	132	138	126	132	129	123	126
C91168	SPILLED	SPILLED	SPILLED	152	SPILLED	SPILLED	170	157	143	SPILLED
C91169	115	130	136	NOT TAKEN						
C91170	SPILLED	170	179	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	147	SPILLED
C91171	121	118	130	NOT TAKEN						
C91172	202	SPILLED	SPILLED	158	150	137	SPILLED	133	129	139
C91173	125	128	132	131	122	125	136	123	115	118
C91174	115	121	116	116	113	112	118	116	108	119
C91175	157	158	164	175	163	185	176	172	174	185
C91176	126	147	146	155	153	151	163	143	162	SPILLED
C91177	SPILLED	SPILLED	115	SPILLED	SPILLED	108	112	110	109	108
C91178	134	133	140	139	143	142	144	140	137	136
C91179	144	134	160	154	152	149	160	145	136	139
C91180	122	133	136	139	142	143	145	156	128	139
C91181	151	167	163	168	165	155	151	142	129	133
C91182	124	139	144	137	151	144	146	142	141	140
C91183	233	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C91184	127	139	156	173	162	155	148	150	147	146
C91185	136	137	140	148	138	151	148	145	138	143

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 1 - 0 PPM										
C91186	121	127	136	139	138	138	141	137	134	130
C91187	140	143	146	156	157	148	145	144	151	147
C91188	103	107	SPILLED	144	130	132	136	119	127	128
C91189	88	91	99	109	106	104	106	106	108	104
C91190	116	110	133	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	217
GROUP: FEMALE 2 - 3 PPM										
C91191	119	126	125	131	145	134	157	148	151	145
C91192	109	114	114	138	119	137	125	134	125	124
C91193	SPILLED	SPILLED	246	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	156
C91194	111	116	127	129	135	147	146	138	143	145
C91195	138	149	151	154	146	156	164	150	136	141
C91196	107	118	125	115	111	109	115	104	97	97
C91197	127	136	137	160	169	SPILLED	SPILLED	146	154	190
C91198	125	123	138	NOT TAKEN						
C91199	139	148	141	SPILLED	167	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C91200	125	123	141	175	137	128	107	126	130	142
C91201	104	SPILLED	121	146	129	166	132	SPILLED	113	127
C91202	127	142	143	153	139	133	129	125	124	124
C91203	129	138	144	150	148	138	129	130	117	114
C91204	121	123	128	132	136	149	137	169	130	148
C91205	111	117	125	NOT TAKEN						
C91206	SPILLED	120	125	128	135	135	136	136	130	138
C91207	123	128	123	147	146	146	148	145	142	136
C91208	117	124	124	SPILLED	134	143	134	SPILLED	127	140
C91209	112	113	120	116	116	125	121	124	118	124
C91210	179	151	159	SPILLED	SPILLED	SPILLED	144	SPILLED	SPILLED	SPILLED
C91211	125	136	131	143	SPILLED	195	138	133	133	134
C91212	107	111	119	125	SPILLED	122	122	119	107	112
C91213	116	129	131	134	127	127	132	131	126	125

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 2 - 3 PPM										
C91214	138	142	144	137	141	148	142	143	135	131
C91215	111	113	114	110	106	115	109	116	111	104
C91216	127	SPILLED	SPILLED	SPILLED	SPILLED	158	SPILLED	SPILLED	SPILLED	SPILLED
C91217	104	111	117	130	127	127	138	132	126	126
C91218	112	150	SPILLED	SPILLED	137	SPILLED	141	179	170	SPILLED
C91219	135	130	127	SPILLED	153	SPILLED	SPILLED	185	SPILLED	SPILLED
C91220	117	130	134	129	129	134	119	125	117	118
C91221	125	135	136	137	137	161	SPILLED	150	143	132
C91222	139	147	148	NOT TAKEN						
C91223	96	96	108	114	117	112	110	115	104	106
C91224	141	149	117	SPILLED	132	125	134	SPILLED	122	124
C91225	121	118	141	106	118	126	133	100	108	125
C91226	105	112	120	111	124	131	134	139	136	131
C91227	SPILLED	116	SPILLED	SPILLED	SPILLED	122	137	124	115	116
C91228	129	130	126	160	148	142	139	145	136	133
C91229	122	134	128	124	122	118	110	117	108	103
C91230	130	138	141	NOT TAKEN						
C91231	129	140	142	SPILLED	138	155	133	136	130	132
C91232	112	119	111	125	106	110	113	113	109	104
C91233	113	114	112	129	125	130	125	133	117	112
C91234	137	159	163	164	167	168	152	154	162	150
C91235	135	SPILLED	193	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	174	SPILLED
C91236	121	121	132	128	130	161	SPILLED	128	109	111
C91237	143	149	135	NOT TAKEN						
C91238	110	113	110	114	112	117	118	106	108	107
C91239	118	117	136	135	135	140	140	134	124	128
C91240	144	127	143	139	141	141	147	141	140	130
C91241	123	127	125	136	135	SPILLED	135	203	126	SPILLED
C91242	SPILLED	174	SPILLED	209	SPILLED	SPILLED	SPILLED	180	SPILLED	SPILLED
C91243	134	155	163	SPILLED	158	SPILLED	142	SPILLED	161	187
C91244	105	113	118	118	115	121	127	122	104	111

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 2 - 3 PPM										
C91245	144	154	166	193	137	163	SPILLED	157	173	SPILLED
C91246	167	153	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C91247	134	146	SPILLED	146	153	166	174	197	SPILLED	SPILLED
C91248	127	133	130	137	134	131	141	136	120	129
C91249	129	SPILLED	137	190	150	SPILLED	153	159	141	146
C91250	113	113	SPILLED	111	115	SPILLED	110	175	105	155
GROUP: FEMALE 3 - 30 PPM										
C91251	109	109	118	NOT TAKEN						
C91252	122	128	132	135	142	138	134	155	149	139
C91253	115	125	112	129	127	131	114	133	118	122
C91254	118	121	120	124	132	131	126	131	115	121
C91255	111	116	117	140	124	140	127	134	131	129
C91256	134	115	SPILLED	136	140	130	126	130	125	112
C91257	105	112	132	SPILLED	109	116	105	115	100	SPILLED
C91258	121	135	135	123	135	134	123	128	128	125
C91259	158	SPILLED	124	133	127	125	126	137	130	130
C91260	133	137	130	131	138	140	132	113	128	137
C91261	106	105	SPILLED	127	120	125	126	146	136	106
C91262	SPILLED	105	101	112	100	99	96	118	96	89
C91263	125	123	131	131	127	128	119	129	132	123
C91264	112	119	SPILLED	126	125	124	118	123	121	112
C91265	127	124	119	152	190	127	133	127	117	SPILLED
C91266	133	140	145	158	158	171	147	144	147	137
C91267	102	103	105	109	106	109	102	108	100	94
C91268	117	SPILLED	111	121	118	112	105	105	106	105
C91269	128	138	131	142	148	133	138	SPILLED	143	136
C91270	123	117	123	123	125	127	122	127	121	120
C91271	136	SPILLED	138	SPILLED	207	180	SPILLED	SPILLED	144	SPILLED
C91272	140	145	129	NOT TAKEN						

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 3 - 30 PPM										
C91273	SPILLED	146	SPILLED	178	150	SPILLED	SPILLED	147	SPILLED	145
C91274	110	117	112	SPILLED	SPILLED	SPILLED	118	SPILLED	SPILLED	150
C91275	125	138	133	139	155	139	143	SPILLED	SPILLED	155
C91276	103	106	114	115	110	114	121	117	115	112
C91277	107	111	115	106	122	124	118	116	107	111
C91278	125	SPILLED	SPILLED	141	144	SPILLED	133	SPILLED	115	134
C91279	158	184	SPILLED	162	155	168	164	151	150	158
C91280	126	130	134	132	132	126	130	128	134	126
C91281	113	130	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C91282	134	135	149	155	166	168	162	153	158	151
C91283	122	126	133	130	133	143	131	122	131	130
C91284	131	138	146	149	146	144	129	SPILLED	135	128
C91285	113	112	108	NOT TAKEN						
C91286	100	99	101	115	115	SPILLED	138	113	115	111
C91287	157	106	132	NOT TAKEN						
C91288	121	122	122	119	124	114	109	110	108	103
C91289	SPILLED	123	SPILLED	124	127	122	117	125	109	113
C91290	122	119	124	133	121	121	134	129	126	112
C91291	131	122	124	NOT TAKEN						
C91292	119	126	133	146	133	127	125	134	122	122
C91293	136	176	151	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	124	SPILLED
C91294	127	130	129	136	133	123	124	SPILLED	120	126
C91295	118	149	179	SPILLED	154	SPILLED	133	217	140	130
C91296	101	SPILLED	SPILLED	121	114	119	113	125	SPILLED	114
C91297	173	SPILLED	SPILLED	133	148	151	158	134	SPILLED	189
C91298	131	126	123	136	139	131	124	128	126	122
C91299	SPILLED	SPILLED	112	115	112	120	110	110	101	110
C91300	165	SPILLED	186	SPILLED	SPILLED	198	169	228	SPILLED	SPILLED
C91301	115	112	123	120	121	125	120	129	126	132
C91302	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	138	SPILLED	115	SPILLED
C91303	127	135	138	144	135	134	134	127	121	136

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 3 - 30 PPM										
C91304	147	147	144	149	160	SPILLED	156	168	145	150
C91305	135	138	137	159	166	154	156	163	150	155
C91306	SPILLED	SPILLED	148	SPILLED	130	SPILLED	SPILLED	SPILLED	121	120
C91307	129	137	128	145	136	142	124	163	123	119
C91308	126	133	142	150	148	162	162	170	188	SPILLED
C91309	125	131	138	139	149	148	155	145	141	143
C91310	119	123	118	129	140	128	132	130	137	124
GROUP: FEMALE 4 - 100 PPM										
C91311	101	121	SPILLED	125	SPILLED	143	108	117	SPILLED	105
C91312	100	103	97	105	101	98	99	104	105	100
C91313	124	146	SPILLED	132	SPILLED	SPILLED	122	150	131	SPILLED
C91314	113	125	125	127	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C91315	115	SPILLED	119	112	112	118	120	122	122	124
C91316	SPILLED	SPILLED	132	NOT TAKEN						
C91317	119	122	124	NOT TAKEN						
C91318	138	152	146	SPILLED	112	108	107	109	103	94
C91319	123	125	117	137	131	133	123	122	120	120
C91320	131	SPILLED	SPILLED	140	127	115	112	110	106	110
C91321	120	133	133	189	143	SPILLED	134	SPILLED	129	125
C91322	120	127	SPILLED	141	132	138	126	136	133	123
C91323	119	113	SPILLED	118	SPILLED	137	SPILLED	125	115	114
C91324	116	116	114	124	117	118	119	121	114	107
C91325	107	103	108	111	103	106	106	109	108	99
C91326	104	93	112	115	109	106	115	110	102	99
C91327	112	109	111	114	134	112	113	118	111	112
C91328	129	125	114	124	116	110	110	114	112	109
C91329	116	118	119	133	116	116	114	116	110	108
C91330	111	110	116	118	107	115	107	109	109	108
C91331	127	119	136	132	135	132	129	133	124	132

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 4 - 100 PPM										
C91332	SPILLED	124	136	130	131	119	113	144	124	105
C91333	109	117	SPILLED	NOT TAKEN						
C91334	123	124	125	121	117	121	117	116	106	110
C91335	112	114	118	111	109	118	113	115	116	112
C91336	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	275	171
C91337	122	115	115	132	124	127	119	127	116	122
C91338	154	SPILLED	139	135	104	110	111	102	87	99
C91339	118	113	123	128	115	122	110	123	109	109
C91340	137	147	150	SPILLED	156	147	136	134	126	122
C91341	124	117	128	130	124	124	119	121	116	116
C91342	129	116	111	114	124	115	123	123	125	115
C91343	126	125	112	119	121	127	118	115	117	112
C91344	117	113	113	118	114	107	115	110	112	111
C91345	SPILLED	111	110	NOT TAKEN						
C91346	SPILLED	141	131	139	134	131	135	133	126	129
C91347	SPILLED	SPILLED	SPILLED	SPILLED	117	117	114	118	112	112
C91348	123	118	120	122	112	113	111	100	99	107
C91349	SPILLED	125	121	119	127	117	113	122	134	113
C91350	SPILLED	SPILLED	SPILLED	NOT TAKEN						
C91351	121	130	121	127	125	143	132	132	135	128
C91352	133	126	134	135	131	141	133	125	121	119
C91353	120	122	113	121	121	110	120	112	112	111
C91354	137	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	99	106	97	99
C91355	123	139	123	137	128	122	123	131	136	141
C91356	137	137	140	168	SPILLED	135	134	SPILLED	124	118
C91357	98	93	99	97	95	92	93	93	90	86
C91358	87	132	130	135	133	123	124	128	132	128
C91359	137	SPILLED	131	128	122	124	137	SPILLED	SPILLED	SPILLED
C91360	119	129	SPILLED	113	103	110	105	108	104	110
C91361	SPILLED	126	120	123	118	119	111	97	114	116
C91362	153	195	189	SPILLED	SPILLED	SPILLED	150	SPILLED	113	SPILLED

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 4 - 100 PPM										
C91363	136	140	143	149	127	138	132	139	125	121
C91364	117	125	115	118	111	108	96	102	96	97
C91365	SPILLED	140	SPILLED	SPILLED	SPILLED	114	109	133	SPILLED	SPILLED
C91366	124	110	122	127	118	129	122	128	118	103
C91367	152	146	143	130	135	142	122	142	117	122
C91368	135	160	SPILLED	161	143	119	118	114	100	102
C91369	114	113	113	114	125	122	116	116	119	122
C91370	126	130	119	119	119	115	109	115	115	110
C91371	110	117	119	123	131	125	SPILLED	SPILLED	SPILLED	180
C91372	147	122	152	136	145	119	119	SPILLED	111	117
C91373	120	117	107	116	112	111	109	109	110	102
C91374	SPILLED	SPILLED	131	SPILLED	130	125	109	115	116	106
C91375	127	121	120	132	124	119	111	117	120	112
C91376	116	111	110	109	115	112	108	114	104	103
C91377	115	117	121	131	125	119	122	124	119	115
C91378	117	116	113	118	123	119	118	112	103	108
C91379	113	166	121	130	134	127	115	110	118	120
C91380	135	133	139	135	135	129	129	133	129	140
GROUP: FEMALE 5 - 300 PPM										
C91381	SPILLED	96	95	107	101	101	97	NOT TAKEN		
C91382	91	95	75	86	81	86	78	NOT TAKEN		
C91383	103	98	99	102	99	101	88	NOT TAKEN		
C91384	169	107	94	114	SPILLED	106	SPILLED	NOT TAKEN		
C91385	SPILLED	109	96	108	107	145	120	NOT TAKEN		
C91386	109	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	NOT TAKEN		
C91387	98	81	75	77	101	79	79	NOT TAKEN		
C91388	118	111	105	108	102	98	103	NOT TAKEN		
C91389	104	74	75	82	76	81	87	NOT TAKEN		
C91390	107	97	103	107	103	110	108	NOT TAKEN		

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 5 - 300 PPM										
C91391	109	102	97	100	94	92	94	NOT TAKEN		
C91392	SPILLED	111	SPILLED	91	103	96	101	NOT TAKEN		
C91393	86	143	SPILLED	73	66	66	72	NOT TAKEN		
C91394	110	106	96	94	89	88	88	NOT TAKEN		
C91395	124	118	168	101	SPILLED	98	98	NOT TAKEN		
C91396	SPILLED	SPILLED	99	111	94	97	96	NOT TAKEN		
C91397	117	92	94	99	101	102	97	NOT TAKEN		
C91398	114	94	103	102	98	100	95	NOT TAKEN		
C91399	117	101	93	91	90	93	97	NOT TAKEN		
C91400	126	113	124	133	131	132	125	NOT TAKEN		
C91401	106	125	93	90	85	85	84	NOT TAKEN		
C91402	92	84	84	88	83	85	86	NOT TAKEN		
C91403	SPILLED	155	141	SPILLED	SPILLED	SPILLED	SPILLED	NOT TAKEN		
C91404	94	88	90	95	92	97	93	NOT TAKEN		
C91405	106	98	94	98	103	106	105	NOT TAKEN		
C91406	109	99	91	SPILLED	92	92	93	NOT TAKEN		
C91407	111	93	99	94	97	SPILLED	99	NOT TAKEN		
C91408	118	116	109	SPILLED	116	106	108	NOT TAKEN		
C91409	SPILLED	84	82	76	87	80	83	NOT TAKEN		
C91410	SPILLED	118	90	84	83	81	85	NOT TAKEN		
C91411	120	115	107	105	102	105	98	NOT TAKEN		
C91412	115	97	99	86	95	98	87	NOT TAKEN		
C91413	SPILLED	SPILLED	SPILLED	SPILLED	107	SPILLED	94	NOT TAKEN		
C91414	121	114	104	103	116	113	103	NOT TAKEN		
C91415	107	90	95	77	88	85	86	NOT TAKEN		
C91416	111	114	100	98	103	105	99	NOT TAKEN		
C91417	122	SPILLED	109	109	94	91	93	NOT TAKEN		
C91418	107	104	106	100	103	94	93	NOT TAKEN		
C91419	SPILLED	SPILLED	100	SPILLED	99	98	102	NOT TAKEN		
C91420	112	135	103	103	94	95	96	NOT TAKEN		
C91421	91	90	83	79	87	84	87	NOT TAKEN		

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 5 - 300 PPM										
C91422	SPILLED	88	88	79	73	77	79	NOT TAKEN		
C91423	102	111	113	NOT TAKEN						
C91424	103	100	93	90	91	94	91	NOT TAKEN		
C91425	SPILLED	94	87	80	84	81	85	NOT TAKEN		
C91426	107	137	83	63	80	100	81	NOT TAKEN		
C91427	125	SPILLED	114	NOT TAKEN						
C91428	118	108	113	108	109	103	107	NOT TAKEN		
C91429	131	115	102	105	111	103	98	NOT TAKEN		
C91430	104	101	100	NOT TAKEN						
C91431	107	91	87	SPILLED	SPILLED	SPILLED	SPILLED	NOT TAKEN		
C91432	95	105	92	104	106	98	103	NOT TAKEN		
C91433	167	153	SPILLED	SPILLED	SPILLED	85	95	NOT TAKEN		
C91434	109	102	95	96	93	86	87	NOT TAKEN		
C91435	115	112	112	114	111	110	113	NOT TAKEN		
C91436	84	92	88	85	78	93	91	NOT TAKEN		
C91437	106	105	101	106	105	105	111	NOT TAKEN		
C91438	111	105	100	103	104	100	100	NOT TAKEN		
C91439	133	113	103	SPILLED	100	100	88	NOT TAKEN		
C91440	SPILLED	116	105	105	98	98	106	NOT TAKEN		
C91441	112	99	88	96	96	93	94	NOT TAKEN		
C91442	113	100	101	100	96	102	93	NOT TAKEN		
C91443	110	95	102	NOT TAKEN						
C91444	113	98	100	102	100	98	94	NOT TAKEN		
C91445	SPILLED	100	SPILLED	86	87	SPILLED	89	NOT TAKEN		
C91446	107	96	89	90	97	95	100	NOT TAKEN		
C91447	121	102	97	92	98	93	126	NOT TAKEN		
C91448	110	SPILLED	SPILLED	NOT TAKEN						
C91449	117	130	SPILLED	SPILLED	179	SPILLED	SPILLED	NOT TAKEN		
C91450	102	95	95	87	70	76	72	NOT TAKEN		

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 6 - 100 PPM										
C91451	103	105	103	113	120	113	108	141	103	110
C91452	116	116	116	123	124	115	125	133	120	129
C91453	124	121	118	128	126	123	122	132	119	121
C91454	122	117	113	115	112	103	108	105	96	106
C91455	124	155	146	121	119	116	115	130	117	117
C91456	124	107	104	110	105	102	99	103	99	106
C91457	126	128	116	125	127	130	122	132	125	121
C91458	107	103	117	105	114	106	102	111	102	103
C91459	135	152	126	138	139	SPILLED	112	SPILLED	125	SPILLED
C91460	99	106	104	103	101	96	85	90	85	102
C91461	108	116	119	121	122	121	110	123	112	111
C91462	124	122	131	131	132	131	133	136	129	127
C91463	SPILLED	123	112	111	115	102	110	103	101	99
C91464	107	107	111	114	116	109	105	108	101	104
C91465	120	SPILLED	126	116	124	130	108	128	105	108
C91466	125	119	135	142	127	109	123	122	125	114
C91467	123	145	108	125	115	135	120	SPILLED	108	113
C91468	103	99	105	101	103	105	90	114	89	113
C91469	108	106	114	107	108	106	105	110	104	105
C91470	140	150	146	140	148	150	127	157	139	145
C91471	109	105	110	111	118	116	110	111	113	114
C91472	130	120	138	149	157	128	125	SPILLED	SPILLED	136
C91473	111	103	107	107	111	106	118	SPILLED	106	129
C91474	145	150	140	150	122	144	136	163	145	SPILLED
C91475	167	152	151	SPILLED	139	153	188	SPILLED	132	SPILLED
C91476	SPILLED	121	116	124	123	120	120	120	116	120
C91477	103	103	106	SPILLED	112	107	117	114	110	120
C91478	SPILLED	159	151	135	130	123	123	SPILLED	136	128
C91479	160	160	142	144	142	134	132	147	138	124
C91480	119	115	118	113	109	108	108	106	105	110
C91481	112	111	116	114	112	111	104	103	105	113

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 6 - 100 PPM										
C91482	115	118	127	130	125	122	119	120	119	115
C91483	149	131	158	SPILLED	149	114	131	SPILLED	116	106
C91484	114	113	115	114	118	115	104	116	110	105
C91485	112	115	115	113	112	114	104	117	105	106
C91486	118	114	118	122	116	110	111	108	110	106
C91487	133	115	111	110	111	104	104	113	104	103
C91488		136	133	SPILLED	155	126	122	123	123	120
C91489	102	105	114	121	111	110	108	114	118	109
C91490	120	124	121	SPILLED	124	115	116	118	123	112
GROUP: FEMALE 7 - 300 PPM										
C91491	109	110	99	103	96	93	90	NOT TAKEN		
C91492	SPILLED	166	103	SPILLED	106	101	97	NOT TAKEN		
C91493	SPILLED	103	SPILLED	93	91	85	89	NOT TAKEN		
C91494	106	94	87	91	87	83	89	NOT TAKEN		
C91495	115	101	92	92	94	86	97	NOT TAKEN		
C91496	113	100	90	91	93	86	90	NOT TAKEN		
C91497	115	107	102	103	103	101	103	NOT TAKEN		
C91498	99	121	87	95	92	118	SPILLED	NOT TAKEN		
C91499	107	115	89	86	80	78	80	NOT TAKEN		
C91500	115	106	94	92	82	83	80	NOT TAKEN		
C91501	105	86	96	87	90	SPILLED	84	NOT TAKEN		
C91502	125	110	111	108	105	100	105	NOT TAKEN		
C91503	134	129	110	112	114	104	115	NOT TAKEN		
C91504	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	164	121	NOT TAKEN		
C91505	108	97	96	93	96	SPILLED	91	NOT TAKEN		
C91506	118	112	104	101	107	103	102	NOT TAKEN		
C91507	123	114	106	153	106	103	98	NOT TAKEN		
C91508	SPILLED	145	116	119	SPILLED	SPILLED	SPILLED	NOT TAKEN		
C91509	115	114	94	SPILLED	SPILLED	95	89	NOT TAKEN		

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 7 - 300 PPM										
C91510	115	114	105	108	100	99	106	NOT TAKEN		
C91511	114	99	SPILLED	98	101	101	100	NOT TAKEN		
C91512	102	104	94	91	93	90	90	NOT TAKEN		
C91513	109	111	95	95	92	88	84	NOT TAKEN		
C91514	127	120	116	111	109	105	108	NOT TAKEN		
C91515	SPILLED	SPILLED	109	94	94	108	99	NOT TAKEN		
C91516	109	97	91	98	93	96	90	NOT TAKEN		
C91517	98	SPILLED	81	81	88	83	83	NOT TAKEN		
C91518	113	114	94	100	100	98	107	NOT TAKEN		
C91519	105	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	171	NOT TAKEN		
C91520	105	96	95	98	97	95	104	NOT TAKEN		
C91521	113	102	97	88	101	95	84	NOT TAKEN		
C91522	150	133	108	104	124	97	94	NOT TAKEN		
C91523	111	137	139	101	112	105	105	NOT TAKEN		
C91524	SPILLED	107	102	98	113	105	111	NOT TAKEN		
C91525	169	108	102	100	98	97	97	NOT TAKEN		
C91526	117	105	102	104	101	100	102	NOT TAKEN		
C91527	127	SPILLED	111	104	SPILLED	112	109	NOT TAKEN		
C91528	101	85	84	81	74	84	75	NOT TAKEN		
C91529	SPILLED	131	132	123	107	111	104	NOT TAKEN		
C91530	110	101	91	100	89	92	94	NOT TAKEN		

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: MALE 1 - 0 PPM										
C90711	178	175	167	178	178	174	191	181	184	188
C90712	184	172	125	179	SPILLED	SPILLED	188	186	177	164
C90713	200	198	210	203	211	207	209	223	217	211
C90714	185	186	188	187	179	176	191	183	183	180
C90715	172	172	182	179	193	187	191	182	194	190
C90716	158	155	157	SPILLED	159	163	162	161	160	162
C90720	187	182	179	182	187	182	192	189	192	193
C90721	189	199	258	267	257	SPILLED	246	247	245	243
C90722	163	161	163	164	167	169	169	167	181	178
C90723	SPILLED	SPILLED	SPILLED	195	199	196	209	202	203	215
C90724	174	164	168	169	177	173	173	173	172	175
C90726	203	SPILLED	SPILLED	186	190	190	186	185	175	181
C90727	204	189	192	195	195	189	194	191	192	193
C90728	173	174	183	183	182	183	187	189	187	191
C90729	174	171	178	182	190	189	185	181	180	188
C90730	184	182	188	188	193	191	195	193	202	191
C90731	195	203	204	NOT TAKEN						
C90733	125	133	192	193	193	198	205	214	197	194
C90734	212	SPILLED	211	214	220	223	226	224	236	226
C90735	166	169	173	175	177	174	180	178	187	184
C90736	184	172	191	187	190	187	189	184	189	202
C90738	185	187	193	175	194	192	195	179	193	188
C90739	177	183	183	187	189	184	190	183	180	180
C90740	179	179	182	179	186	187	198	195	175	186
C90741	176	178	175	183	182	182	181	189	171	180
C90742	166	159	168	170	177	174	177	166	168	182
C90743	189	186	185	195	197	191	205	204	187	209
C90744	202	203	203	205	207	204	213	203	198	207
C90745	162	195	181	166	191	185	203	197	197	191
C90746	200	159	243	NOT TAKEN						
C90747	165	169	168	177	177	180	190	170	183	215
C90748	191	189	185	NOT TAKEN						

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: MALE 1 - 0 PPM										
C90749	168	165	162	167	168	165	168	171	171	188
C90750	161	157	169	163	164	168	167	168	169	172
C90751	201	SPILLED	209	SPILLED	215	SPILLED	219	207	225	219
C90752	207	208	206	203	204	203	195	192	192	204
C90754	207	198	192	203	199	195	200	195	195	210
C90755	213	197	209	213	219	214	228	219	218	238
C90757	188	183	185	188	190	186	192	196	197	195
C90758	216	236	232	SPILLED	255	SPILLED	SPILLED	241	SPILLED	203
C90759	174	170	173	170	174	171	165	159	162	175
C90760	202	199	194	165	202	204	190	188	189	194
C90761	181	173	174	172	177	183	175	178	173	175
C90762	169	169	179	175	173	172	169	173	159	160
C90763	196	196	192	199	195	190	199	194	192	181
C90764	184	172	173	173	174	168	172	162	168	178
C90765	202	192	199	199	205	205	202	198	203	208
C90766	178	170	179	155	175	180	188	176	177	206
C90767	183	180	189	195	203	188	193	197	196	190
C90768	174	176	178	NOT TAKEN						
C90770	SPILLED	185	190	182	184	187	186	188	178	174
C90771	174	163	179	179	175	191	189	176	178	186
C90772	188	187	187	180	182	183	187	187	188	190
C90773	188	184	190	182	182	190	193	187	191	203
C90774	176	175	180	175	179	177	177	177	188	174
C90776	198	200	207	205	206	204	209	203	204	213
C90777	206	209	210	206	212	208	217	203	211	208
C90778	173	173	176	169	171	172	182	181	182	187
C90779	180	182	183	182	190	190	191	194	197	194
C90780	206	210	210	NOT TAKEN						

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: MALE 2 - 3 PPM										
C90781	187	187	188	190	188	177	182	183	177	182
C90782	211	180	185	183	183	184	179	181	108	186
C90783	170	154	158	157	165	164	164	167	163	170
C90784	176	169	181	181	173	176	186	176	178	183
C90785	184	189	197	198	201	192	201	200	194	198
C90786	163	165	173	175	175	158	176	176	175	187
C90787	197	197	190	190	193	190	205	186	185	191
C90788	180	180	182	178	184	189	189	186	193	195
C90790	207	208	204	196	205	201	223	205	198	222
C90791	169	189	168	149	179	173	181	177	167	184
C90792	184	181	187	187	160	143	199	154	145	191
C90793	174	174	171	168	180	178	172	169	170	177
C90794	177	186	200	198	201	215	211	200	106	28
C90795	187	198	193	184	185	179	181	177	170	186
C90796	204	SPILLED	214	211	198	192	191	195	194	204
C90797	173	172	174	NOT TAKEN						
C90798	176	173	175	179	176	177	197	189	189	188
C90799	163	165	166	165	167	173	181	170	154	176
C90800	183	182	194	181	188	188	192	190	185	193
C90801	190	190	198	194	200	189	197	199	173	194
C90802	148	149	157	146	157	161	162	167	165	182
C90803	189	191	191	193	202	198	198	194	195	197
C90804	205	200	204	199	210	196	202	190	204	205
C90805	186	181	195	198	200	204	205	205	195	203
C90806	158	164	159	159	165	167	172	172	181	186
C90807	170	175	180	NOT TAKEN						
C90808	200	160	SPILLED	202	200	201	204	206	194	216
C90809	174	181	183	179	177	183	190	182	177	180
C90810	197	190	199	196	195	197	197	205	174	195
C90811	195	192	190	193	190	193	193	196	186	182
C90812	173	171	178	178	179	185	188	179	185	197

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: MALE 2 - 3 PPM										
C90815	187	187	183	181	187	181	189	182	171	183
C90816	198	197	197	181	200	198	201	201	197	211
C90818	205	196	212	NOT TAKEN						
C90819	180	172	165	167	183	191	181	190	189	198
C90820	172	170	180	148	176	175	176	171	177	179
C90821	198	198	199	200	203	205	214	203	207	220
C90822	162	153	162	167	171	172	174	173	174	190
C90823	178	173	183	185	186	188	190	180	186	179
C90824	176	166	171	180	178	177	182	180	181	180
C90825	194	183	185	189	196	186	194	186	185	202
C90826	234	222	SPILLED	SPILLED	250	244	248	240	160	SPILLED
C90827	191	182	183	179	181	186	201	193	192	206
C90828	204	205	219	224	210	221	215	216	214	210
C90829	196	185	196	204	203	208	206	219	206	219
C90830	195	184	183	185	198	190	193	190	101	197
C90831	199	196	205	NOT TAKEN						
C90832	191	182	186	182	188	181	189	184	185	188
C90835	193	180	173	173	179	185	185	182	177	184
C90836	185	185	190	NOT TAKEN						
C90837	166	160	168	169	162	163	168	164	161	163
C90838	217	219	221	223	236	228	237	226	136	235
C90839	212	211	212	214	208	217	233	220	152	219
C90840	192	191	188	168	203	199	205	205	190	195
GROUP: MALE 3 - 30 PPM										
C90841	182	177	174	177	174	177	180	190	185	191
C90842	145	142	145	143	142	138	150	147	146	160
C90843	187	176	176	NOT TAKEN						
C90844	SPILLED	205	205	214	214	230	220	217	107	224
C90845	180	171	171	178	176	173	186	187	177	176

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: MALE 3 - 30 PPM										
C90847	171	164	167	160	167	173	182	181	173	191
C90848	186	193	184	191	196	196	198	192	205	198
C90849	194	189	189	185	183	190	188	191	184	201
C90850	161	156	157	155	154	154	159	159	159	163
C90851	185	167	170	149	172	166	179	171	167	177
C90852	178	183	182	NOT TAKEN						
C90854	189	183	191	SPILLED	SPILLED	199	SPILLED	212	SPILLED	226
C90855	182	186	198	187	187	189	191	185	168	188
C90856	181	169	174	145	168	169	191	184	170	190
C90857	178	179	184	176	184	187	193	186	177	183
C90858	157	149	152	159	157	163	165	170	168	174
C90859	194	193	203	194	190	189	204	198	181	214
C90860	151	165	167	162	169	164	173	157	157	166
C90861	182	180	186	174	182	189	191	187	186	191
C90862	152	151	156	152	155	158	169	164	157	168
C90863	199	192	200	NOT TAKEN						
C90864	162	162	170	163	169	168	181	173	163	178
C90865	149	149	153	151	155	154	162	163	160	173
C90867	158	157	164	160	159	159	163	166	173	174
C90868	198	197	197	196	200	204	207	194	191	201
C90869	180	171	178	168	171	177	181	174	186	193
C90870	182	180	186	178	192	165	191	190	190	199
C90871	153	155	157	152	161	160	162	158	150	164
C90872	164	164	170	175	170	176	180	181	190	175
C90873	190	177	191	197	207	188	205	194	204	198
C90874	190	196	194	184	189	192	189	189	191	193
C90875	168	169	180	173	187	182	185	183	170	182
C90876	205	193	195	184	178	175	201	206	196	194
C90877	170	170	172	NOT TAKEN						
C90878	168	173	176	174	172	176	184	180	177	169
C90879	182	176	179	178	178	183	191	205	196	195

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: MALE 3 - 30 PPM										
C90880	202	194	205	NOT TAKEN						
C90881	185	185	192	188	182	191	191	199	195	191
C90882	181	172	179	180	178	183	179	186	184	187
C90883	SPILLED	217	191	SPILLED	210	207	201	210	205	186
C90884	186	179	SPILLED	177	SPILLED	SPILLED	SPILLED	200	192	186
C90885	170	165	167	169	170	173	191	182	176	185
C90886	199	189	192	190	188	194	209	198	194	214
C90887	186	175	179	185	SPILLED	196	197	201	193	215
C90888	167	168	171	82	209	190	181	169	171	185
C90889	157	149	146	148	150	160	162	161	160	177
C90892	149	140	143	127	147	142	147	142	145	151
C90893	187	172	172	175	175	180	187	178	177	196
C90894	178	167	170	182	176	180	184	185	178	193
C90895	195	183	198	182	183	177	179	176	175	189
C90896	SPILLED	187	198	178	SPILLED	178	195	186	176	190
C90897	190	182	190	144	191	202	208	201	190	203
C90898	174	165	162	168	162	164	183	179	167	177
C90899	157	147	162	150	160	158	160	170	157	173
C90900	174	170	175	171	177	185	187	180	179	187
GROUP: MALE 4 - 100 PPM										
C90901	149	151	151	157	163	159	172	166	170	177
C90902	151	153	160	158	160	161	168	164	168	172
C90903	145	142	146	142	147	154	152	155	151	148
C90904	160	150	159	157	156	154	160	167	156	159
C90905	160	160	163	NOT TAKEN						
C90906	174	173	172	175	178	177	187	189	195	204
C90907	154	147	155	NOT TAKEN						
C90908	166	171	177	175	183	178	184	185	190	179
C90909	191	191	192	194	192	194	218	216	199	198

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: MALE 4 - 100 PPM										
C90910	170	160	170	167	173	172	178	178	170	175
C90911	175	165	175	175	176	175	183	176	173	175
C90912	170	168	175	171	169	171	190	176	160	188
C90913	177	162	158	176	170	178	184	179	182	176
C90914	SPILLED	SPILLED	195	189	188	188	200	197	192	197
C90915	185	183	181	190	193	191	186	194	206	202
C90916	149	146	150	154	158	156	162	166	170	175
C90917	168	169	170	NOT TAKEN						
C90918	178	180	183	181	181	173	188	176	182	193
C90919	175	175	171	173	171	177	183	182	181	170
C90920	162	161	167	163	160	168	181	171	173	173
C90921	171	171	168	NOT TAKEN						
C90922	155	155	163	164	162	166	179	174	172	177
C90923	171	166	167	171	173	170	182	173	181	191
C90924	190	186	187	187	176	181	199	179	175	158
C90925	157	156	157	160	163	165	169	164	176	173
C90926	172	176	170	177	179	187	193	188	187	202
C90927	162	161	166	165	167	169	173	178	171	211
C90928	147	146	154	153	154	162	162	162	157	161
C90929	148	143	105	152	162	160	161	160	167	173
C90930	178	183	180	178	180	177	170	174	178	176
C90931	166	160	168	168	168	169	178	175	173	181
C90932	149	152	156	159	162	152	163	173	169	178
C90933	173	175	173	183	186	182	194	189	182	182
C90934	162	157	158	145	171	166	162	166	165	181
C90936	166	169	169	170	171	170	119	184	173	182
C90937	156	153	154	159	154	131	181	175	188	180
C90938	163	157	159	153	163	166	173	180	183	190
C90940	192	188	189	187	188	186	202	203	208	200
C90941	178	168	176	169	173	180	193	204	191	191
C90943	180	197	SPILLED	220	SPILLED	188	SPILLED	192	188	SPILLED

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: MALE 4 - 100 PPM										
C90944	141	143	142	138	147	146	152	153	155	158
C90945	149	152	148	153	154	153	156	159	162	170
C90946	140	154	166	161	165	164	180	174	164	153
C90947	161	158	161	153	165	172	177	175	169	181
C90948	162	166	170	172	175	175	184	188	181	173
C90949	75	55	NOT TAKEN							
C90950	171	168	174	167	174	180	182	179	180	190
C90951	169	168	168	173	165	173	174	167	172	175
C90952	180	171	173	170	169	186	192	183	189	202
C90953	159	160	159	140	164	162	160	156	158	169
C90954	154	150	153	165	160	159	164	165	166	183
C90955	166	157	161	163	171	168	172	178	177	180
C90956	145	148	146	162	163	164	178	167	172	164
C90957	168	149	160	150	168	167	103	152	161	176
C90958	161	128	179	176	176	187	189	SPILLED	179	184
C90959	142	155	160	160	170	171	181	170	176	177
C90960	165	163	173	NOT TAKEN						
C90962	185	179	179	177	181	181	181	187	182	193
C90963	171	173	176	183	181	179	189	182	187	176
C90964	186	188	184	184	192	197	209	206	202	199
C90965	143	144	80	152	SPILLED	161	SPILLED	175	149	SPILLED
C90967	166	161	168	167	169	165	168	166	172	180
C90968	162	164	166	151	169	171	177	173	165	181
C90969	206	204	209	209	201	204	215	212	228	222
C90970	160	153	158	158	163	162	170	161	161	156
GROUP: MALE 6 - 100 PPM										
C91041	188	181	184	180	186	187	186	185	183	186
C91042	165	171	177	165	167	176	181	173	185	192
C91043	180	174	181	175	172	177	180	188	185	184

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: MALE 6 - 100 PPM										
C91044	184	179	181	177	180	180	187	194	194	198
C91045	181	186	184	182	176	185	189	190	190	184
C91047	157	162	156	165	161	154	160	164	158	138
C91048	179	176	186	172	177	188	189	198	187	183
C91049	197	189	191	189	199	202	214	222	204	213
C91050	192	191	191	189	193	197	208	192	191	206
C91051	194	191	195	192	192	190	206	205	200	206
C91052	203	200	SPILLED	193	207	204	219	211	205	214
C91053	159	161	166	168	169	170	174	176	171	169
C91054	163	161	169	162	167	187	189	181	169	188
C91055	189	183	186	193	201	192	203	197	199	199
C91056	183	188	188	199	196	195	187	197	SPILLED	SPILLED
C91057	166	170	165	168	172	179	171	174	167	176
C91058	143	141	149	153	157	153	154	158	154	167
C91059	175	172	172	173	171	164	172	173	178	171
C91060	167	157	164	162	170	168	176	165	162	165
C91061	174	180	188	188	181	184	186	187	172	175
C91062	172	168	173	174	175	181	176	180	186	SPILLED
C91063	131	143	143	140	141	140	146	135	141	152
C91064	162	165	168	176	178	180	178	183	181	178
C91065	158	158	169	164	168	168	157	167	164	151
C91066	171	172	177	178	176	171	181	182	176	182
C91067	173	171	174	170	172	175	176	181	184	196
C91068	53	NOT TAKEN								
C91069	191	185	178	175	179	180	194	182	193	202
C91070	156	151	150	156	165	162	161	170	161	178
C91071	196	190	199	193	198	191	192	194	195	199
C91072	150	145	153	148	149	151	147	150	149	150
C91073	195	191	194	199	192	201	186	196	189	182
C91074	151	148	157	150	149	153	163	156	157	167
C91075	178	174	181	169	176	175	188	192	189	SPILLED

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: MALE 6 - 100 PPM										
C91076	173	175	168	171	172	167	192	176	180	183
C91077	167	164	169	173	177	177	176	161	177	188
C91078	145	145	148	148	143	156	163	152	150	163
C91079	172	168	170	172	167	174	182	172	178	178
C91080	170	169	176	170	168	168	181	180	173	175
GROUP: FEMALE 1 - 0 PPM										
C91121	145	139	137	144	151	144	149	136	157	150
C91122	145	122	106	106	140	128	113	147	135	129
C91123	117	116	108	113	112	114	131	118	130	127
C91124	133	120	117	112	126	125	129	120	125	133
C91125	104	106	107	113	109	106	119	116	111	117
C91127	123	121	115	114	123	119	121	124	136	129
C91128	152	146	135	149	144	145	148	161	154	169
C91129	136	147	151	NOT TAKEN						
C91130	122	125	132	125	124	126	129	105	124	115
C91131	SPILLED	138	182	172	SPILLED	SPILLED	135	113	128	110
C91132	SPILLED	SPILLED	SPILLED	171	SPILLED	SPILLED	SPILLED	SPILLED	185	190
C91133	146	134	126	132	130	127	135	140	124	135
C91134	138	120	135	144	134	139	146	149	151	120
C91136	143	135	137	143	151	131	161	150	165	155
C91137	95	91	91	101	98	91	94	101	101	100
C91138	111	111	113	109	114	112	SPILLED	145	SPILLED	155
C91139	SPILLED	141	138	162	134	SPILLED	SPILLED	125	126	153
C91141	145	129	116	128	140	123	126	126	123	124
C91142	139	115	127	128	128	126	142	150	137	152
C91144	113	108	101	102	107	102	106	108	106	113
C91146	124	125	121	126	124	121	137	132	138	146
C91147	136	149	163	152	SPILLED	150	SPILLED	145	SPILLED	182
C91148	135	126	112	103	119	124	129	106	127	140

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: FEMALE 1 - 0 PPM										
C91149	SPILLED	SPILLED	130	135	SPILLED	SPILLED	SPILLED	149	SPILLED	136
C91150	126	119	116	123	130	123	123	133	129	127
C91151	152	147	141	139	134	148	157	158	167	181
C91152	SPILLED	133	122	136	126	131	109	SPILLED	121	127
C91153	128	134	118	134	117	121	138	159	159	172
C91154	141	130	117	130	131	131	137	127	154	165
C91155	126	132	119	NOT TAKEN						
C91156	131	141	128	128	139	145	147	150	168	156
C91157	122	128	108	110	125	121	135	129	120	140
C91158	107	107	108	112	111	124	134	122	125	120
C91159	105	111	111	107	101	103	112	107	102	120
C91160	124	132	130	NOT TAKEN						
C91161	132	129	131	133	117	139	133	132	127	122
C91164	122	128	122	113	127	120	134	147	176	155
C91166	130	122	117	120	120	126	143	127	131	128
C91167	126	127	119	119	113	121	141	144	152	166
C91168	SPILLED	SPILLED	SPILLED	138	SPILLED	127	130	119	121	120
C91170	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	154	155	139	138
C91172	118	122	116	114	122	121	SPILLED	146	156	170
C91173	119	119	114	115	115	121	122	116	139	146
C91174	117	119	109	NOT TAKEN						
C91175	174	164	163	171	163	163	165	156	162	167
C91176	146	SPILLED	126	123	136	132	147	137	135	136
C91177	105	105	102	108	120	118	110	113	114	114
C91178	135	144	120	117	140	136	144	120	152	146
C91179	136	127	120	130	128	130	142	139	153	154
C91180	123	132	133	144	146	151	160	171	162	160
C91181	133	131	130	NOT TAKEN						
C91182	137	141	134	112	133	137	142	145	151	137
C91183	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	153	SPILLED	SPILLED
C91184	145	137	117	134	129	138	138	131	134	124

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: FEMALE 1 - 0 PPM										
C91185	146	138	128	124	138	130	139	141	144	131
C91186	131	120	120	122	121	122	129	125	121	128
C91187	138	139	129	130	129	133	136	138	142	141
C91188	115	120	115	122	119	114	117	124	123	136
C91189	103	101	106	104	105	107	108	106	111	112
C91190	211	125	127	SPILLED	133	126	147	152	137	159
GROUP: FEMALE 2 - 3 PPM										
C91191	120	125	112	131	128	112	154	146	149	149
C91192	122	115	116	NOT TAKEN						
C91193	SPILLED	SPILLED	SPILLED	128	124	SPILLED	162	147	SPILLED	125
C91194	137	132	131	137	127	133	134	147	148	148
C91195	136	127	129	128	131	120	149	155	155	154
C91196	104	108	99	94	106	107	110	122	119	133
C91197	150	141	SPILLED	144	SPILLED	141	143	158	148	161
C91199	SPILLED	150	SPILLED	201	234	157	SPILLED	126	130	143
C91200	178	124	128	118	118	SPILLED	127	117	124	120
C91201	SPILLED	135	153	134	120	119	151	132	146	135
C91202	124	113	115	115	128	126	114	130	137	134
C91203	119	116	120	129	134	134	129	136	128	138
C91204	141	138	132	113	138	137	138	128	119	143
C91206	135	121	122	135	137	131	152	173	166	163
C91207	133	124	132	123	128	127	127	130	139	141
C91208	119	123	111	124	SPILLED	124	SPILLED	134	141	134
C91209	106	104	109	122	111	118	107	123	130	144
C91210	SPILLED	SPILLED	208	179	SPILLED	SPILLED	SPILLED	SPILLED	179	181
C91211	115	124	118	121	121	124	132	130	152	124
C91212	119	116	121	117	112	115	128	128	128	133
C91213	130	114	119	132	132	125	128	139	106	141
C91214	130	106	114	121	134	133	120	151	128	125

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: FEMALE 2 - 3 PPM										
C91215	102	109	107	102	111	120	118	129	131	148
C91216	162	SPILLED	126	128	138	125	121	131	138	137
C91217	123	121	114	113	119	114	128	118	130	132
C91218	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	142	141	SPILLED
C91219	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	177	140
C91220	120	115	108	110	119	115	115	134	122	136
C91221	128	145	139	117	140	138	160	143	129	158
C91223	100	113	111	NOT TAKEN						
C91224	132	115	112	114	112	118	115	123	126	138
C91225	112	108	109	113	104	115	102	137	108	126
C91226	128	126	136	128	135	137	147	148	148	154
C91227	121	119	112	111	118	111	110	109	118	122
C91228	127	125	132	106	124	132	121	139	135	133
C91229	103	107	115	106	105	108	125	115	117	116
C91231	124	118	121	124	129	149	125	120	133	142
C91232	114	122	113	106	SPILLED	119	130	121	114	116
C91233	119	119	111	NOT TAKEN						
C91234	145	144	151	140	146	150	150	146	140	181
C91235	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	183	155	159	143
C91236	112	112	107	110	108	113	123	147	139	154
C91238	SPILLED	158	104	104	105	113	105	121	115	137
C91239	125	122	124	123	129	115	139	130	137	144
C91240	100	92	122	129	115	120	117	153	118	122
C91241	SPILLED	126	129	NOT TAKEN						
C91242	216	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	224	SPILLED	221
C91243	168	SPILLED	150	191	SPILLED	164	SPILLED	188	194	174
C91244	110	105	104	107	108	111	SPILLED	127	130	135
C91245	151	SPILLED	144	146	SPILLED	147	141	163	136	139
C91246	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	222	SPILLED	SPILLED
C91247	SPILLED	SPILLED	207	180	SPILLED	178	182	SPILLED	SPILLED	189
C91248	131	SPILLED	115	NOT TAKEN						

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: FEMALE 2 - 3 PPM										
C91249	145	135	131	124	135	136	146	141	149	145
C91250	107	100	138	100	103	106	105	102	101	105
GROUP: FEMALE 3 - 30 PPM										
C91252	137	126	123	139	133	134	145	129	149	148
C91253	119	123	125	114	124	118	133	121	132	131
C91254	119	108	111	106	113	111	107	104	117	117
C91255	130	126	128	117	118	126	120	126	136	141
C91256	123	122	118	114	116	117	129	121	119	118
C91257	SPILLED	SPILLED	156	SPILLED	144	131	97	SPILLED	SPILLED	SPILLED
C91258	124	116	114	112	123	110	129	119	132	126
C91259	SPILLED	122	117	121	124	127	134	135	146	142
C91260	136	121	119	130	143	134	144	147	140	162
C91261	118	125	122	121	122	133	136	141	133	137
C91262	92	97	94	88	104	97	115	111	111	103
C91263	130	127	128	131	137	140	152	150	156	160
C91264	102	116	106	104	124	112	128	111	118	126
C91265	111	129	106	110	116	113	110	112	116	126
C91266	141	137	123	131	130	125	131	172	151	164
C91267	105	98	97	103	100	105	105	121	SPILLED	122
C91268	109	107	100	94	105	102	104	118	115	124
C91269	142	148	147	130	135	SPILLED	136	122	151	145
C91270	139	113	109	124	122	127	131	127	121	132
C91271	195	145	141	142	140	135	141	145	127	138
C91273	153	156	157	156	SPILLED	SPILLED	149	141	136	142
C91274	118	115	112	125	SPILLED	125	117	127	124	131
C91275	SPILLED	133	122	149	135	133	134	154	141	146
C91276	122	114	101	110	118	113	120	118	129	136
C91277	118	111	113	118	114	114	110	117	122	128
C91278	SPILLED	118	115	121	120	118	132	133	132	135

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: FEMALE 3 - 30 PPM										
C91279	159	163	147	165	162	165	208	174	177	189
C91280	115	130	126	126	134	126	135	138	134	133
C91281	SPILLED	SPILLED	172	NOT TAKEN						
C91282	139	145	140	150	144	147	148	143	158	152
C91283	122	114	111	115	105	114	124	129	130	122
C91284	127	SPILLED	139	SPILLED	134	129	153	145	141	126
C91286	113	119	115	109	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	142
C91288	105	109	107	NOT TAKEN						
C91289	120	109	103	112	111	109	119	122	130	126
C91290	131	131	122	148	158	162	178	192	139	211
C91292	122	120	114	120	130	129	135	120	129	120
C91293	179	137	133	NOT TAKEN						
C91294	112	117	117	116	119	115	121	118	127	152
C91295	129	129	115	130	SPILLED	125	130	115	136	129
C91296	SPILLED	165	122	123	SPILLED	SPILLED	124	114	121	120
C91297	140	154	134	SPILLED	170	144	162	171	SPILLED	196
C91298	112	138	141	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	117	SPILLED
C91299	102	134	100	NOT TAKEN						
C91300	228	137	144	138	SPILLED	SPILLED	SPILLED	166	152	152
C91301	115	120	119	115	120	118	127	137	118	121
C91302	179	SPILLED	SPILLED	121	114	120	124	137	135	145
C91303	123	137	118	133	141	131	142	131	125	158
C91304	144	151	148	NOT TAKEN						
C91305	148	149	146	134	157	159	170	163	167	180
C91306	116	126	122	117	127	117	124	124	121	149
C91307	118	118	109	121	113	114	127	133	122	138
C91308	177	168	208	SPILLED	SPILLED	208	179	175	SPILLED	159
C91309	123	129	134	136	144	141	147	148	145	156
C91310	120	128	125	122	124	125	124	130	123	122

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: FEMALE 4 - 100 PPM										
C91311	97	107	124	105	105	113	124	121	131	133
C91312	101	100	101	103	105	104	106	107	111	115
C91313	144	115	117	117	123	118	124	129	133	143
C91314	145	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C91315	124	113	113	109	122	117	121	120	123	129
C91318	94	97	90	95	NOT TAKEN					
C91319	123	117	117	116	122	121	125	125	139	139
C91320	111	113	109	118	116	110	124	SPILLED	123	125
C91321	125	127	113	128	129	119	131	139	142	150
C91322	125	125	124	122	128	138	135			
C91323	116	120	122	129	129	129	146	143	153	157
C91324	112	151	99	107	106	108	107	113	108	111
C91325	102	101	100	108	106	110	110	111	111	120
C91326	104	102	92	89	109	97	111	117	118	118
C91327	110	98	106	106	107	110	119	113	113	119
C91328	108	113	97	109	112	104	SPILLED	133	119	112
C91329	105	102	101	NOT TAKEN						
C91330	108	104	104	106	116	110	118	123	120	134
C91331	127	112	116	122	126	125	130	135	152	151
C91332	120	121	110	93	SPILLED	108	107	107	103	139
C91334	108	114	109	114	109	109	112	120	119	124
C91335	107	103	104	110	104	109	113	108	105	110
C91336	SPILLED	SPILLED	162	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	187
C91337	115	120	113	NOT TAKEN						
C91338	92	85	91	91	97	100	97	94	90	95
C91339	106	113	103	108	114	110	120	118	131	137
C91340	117	112	105	108	107	114	112	132	114	131
C91341	112	108	105	110	112	109	121	135	133	133
C91342	110	112	103	107	106	115	116	120	109	118
C91343	117	116	116	116	120	109	128	129	134	130
C91344	107	103	100	113	109	110	107	111	110	119

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: FEMALE 4 - 100 PPM										
C91346	127	134	130	137	136	146	143	138	149	144
C91347	106	112	106	110	112	119	109	120	118	122
C91348	97	98	96	89	102	105	103	104	107	113
C91349	110	108	111	118	119	117	122	128	154	150
C91351	129	122	121	130	122	134	125	131	119	138
C91352	118	108	115	117	128	128	138	130	133	142
C91353	108	112	108	117	111	112	118	127	124	126
C91354	95	96	92	97	93	102	SPILLED	100	102	106
C91355	153	137	116	NOT TAKEN						
C91356	131	119	113	112	123	119	143	146	140	SPILLED
C91357	94	84	85	84	87	88	96	86	94	93
C91358	130	114	120	118	126	131	133	133	126	147
C91359	SPILLED	142	176	135	136	111	121	127	137	140
C91360	103	101	102	103	106	104	112	118	115	123
C91361	87	102	106	103	105	101	110	114	108	104
C91362	141	150	116	SPILLED	112	109	135	135	123	129
C91363	120	126	124	131	126	117	136	130	117	152
C91364	99	99	95	102	94	98	104	102	107	116
C91365	232	SPILLED	228	228	SPILLED	SPILLED	SPILLED	215	SPILLED	SPILLED
C91366	116	103	106	122	110	113	121	122	126	140
C91367	125	114	113	125	118	115	130	141	135	139
C91368	103	107	102	96	102	101	107	106	106	107
C91369	118	109	124	119	120	126	SPILLED	130	129	137
C91370	110	110	110	NOT TAKEN						
C91371	SPILLED	155	145	120	126	111	134	SPILLED	144	143
C91372	116	120	113	106	114	115	121	114	107	177
C91373	98	92	107	109	109	115	115	132	142	140
C91374	109	115	107	95	118	113	117	119	109	119
C91375	111	110	114	112	110	109	112	118	115	121
C91376	104	102	98	102	105	104	106	108	108	114
C91377	124	123	115	113	128	125	135	140	133	136

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: FEMALE 4 - 100 PPM										
C91378	115	99	98	111	111	105	112	114	112	108
C91379	113	122	117	NOT TAKEN						
C91380	124	128	111	126	126	119	132	128	124	128
GROUP: FEMALE 6 - 100 PPM										
C91451	113	110	111	108	108	114	119	122	125	126
C91452	119	121	118	115	117	122	123	129	129	146
C91453	114	121	115	131	126	124	121	125	134	130
C91454	109	102	100	115	112	104	111	109	118	120
C91455	116	109	103	102	105	112	115	115	111	118
C91456	101	101	100	103	104	102	108	114	111	116
C91457	117	125	128	121	124	128	135	128	125	133
C91458	105	99	104	98	112	106	117	115	118	125
C91459	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C91460	157	97	89	96	95	90	108	98	101	104
C91461	126	110	102	115	118	133	145	154	155	153
C91462	131	125	122	133	128	127	133	136	131	143
C91463	96	100	91	100	108	107	108	109	115	117
C91464	106	100	102	99	104	98	124	107	115	115
C91465	113	115	111	111	112	118	106	134	139	148
C91466	125	105	113	112	112	114	123	121	116	125
C91467	110	107	99	110	107	103	115	115	122	130
C91468	94	104	99	98	92	SPILLED	SPILLED	SPILLED	109	153
C91469	106	103	101	109	102	100	108	111	109	122
C91470	133	138	139	134	142	134	137	144	135	151
C91471	108	107	107	112	116	114	119	127	128	130
C91472	SPILLED	SPILLED	123	112	136	123	122	119	117	121
C91473	111	174	159	SPILLED	107	94	104	119	102	SPILLED
C91474	SPILLED	163	118	124	131	127	146	132	153	127
C91475	139	121	120	120	129	127	138	139	133	142

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: FEMALE 6 - 100 PPM										
C91476	111	111	112	115	108	114	128	130	137	131
C91477	123	115	112	124	121	122	122	135	139	143
C91478	134	138	121	125	136	146	137	144	146	SPILLED
C91479	133	133	126	132	130	138	144	138	144	SPILLED
C91480	111	105	103	109	105	104	109	111	120	130
C91481	92	91	93	95	102	96	100	102	101	110
C91482	116	112	110	122	118	111	117	120	118	138
C91483	107	107	98	108	109	120	133	115	122	133
C91484	110	106	107	111	113	106	95	110	124	124
C91485	105	103	96	83	98	96	109	111	116	116
C91486	107	109	104	114	112	112	118	122	134	130
C91487	111	105	96	99	100	98	115	125	124	132
C91488	124	121	129	121	128	116	125	122	123	126
C91489	136	117	120	118	119	129	141	127	141	130
C91490	117	113	114	111	116	112	121	118	119	123

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: MALE 1 - 0 PPM										
C90711	192	199	182	188	176	174	179	183	177	103
C90712	184	200	160	186	185	188	191	178	176	203
C90713	228	228	225	229	210	191	203	208	212	221
C90714	187	205	190	189	186					
C90715	189	204	192	198	187	189	193	190	198	217
C90716	170	182	168	163	170	170	169	178	181	190
C90720	198	210	191	186	186	165	187	183	199	203
C90721	244	69	NOT TAKEN							
C90722	176	187	176	173	175	171	172	170	180	192
C90723	214	233	212	218	207	196	201			
C90724	180	196	183	180	188	191	198	193	190	197
C90726	183	189	179	179	176	182	181	177	185	183
C90727	201	205	192	194	189	187	190	204	204	206
C90728	190	207	187	201	197	191	199	192	189	194
C90729	189	188	185	170	175	175	180	180	187	187
C90730	208	214	207	211	207	208	181	63	45	
C90733	204	215	202	200	203	215	SPILLED	224	211	207
C90734	231	SPILLED	242	235	226	218	228	201	232	218
C90735	186	200	179	181	179	176	177	159	183	190
C90736	203	221	199	197	200	195	202	172	117	NOT TAKEN
C90738	185	196	193	191	185	187	186	182	183	163
C90739	184	192	186	173	187	185	186	169	185	177
C90740	207	211	207	204	209	181	155	67		
C90741	189	192	187	187	184	186	178	180	182	200
C90742	183	192	173	172	165	172	180	170	176	177
C90743	209	225	208	200	205	204	210	210	212	201
C90744	211	226	217	210	218	203	216	213	220	223
C90745	219	233	213	211	217	202	202	195	193	198
C90747	202	206	183	191	187	182	187	179	152	206
C90749	175	198	181	173	170	176	168	163	176	183
C90750	165	179	174	176	174	177	173	183	196	179
C90751	216	221	210	199	198					

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: MALE 1 - 0 PPM										
C90752	200	211	215	198	198					
C90754	217	231	218	209	222					
C90755	241	255	260	247	235	233	238	233	242	239
C90757	200	212	203	198	206	210	217	130	54	
C90758	209	211	209	196	193	188	188	187	189	191
C90759	176	188	169	170	169	169	168	170	169	192
C90760	197	218	212	215	209	208	214	212	219	195
C90761	187	200	183	178	176	170	181	177	184	183
C90762	163	135	149	172	146	154	160	171	169	176
C90763	175	186	175	172	183	169	178	181	185	186
C90764	124	186	176	180	176	167	179	173	177	177
C90765	219	227	199	200	208	212	212	197	207	213
C90766	196	212	190	196	196	156	195			
C90767	172	200	183	190	191					
C90770	195	198	201	188	189	185	183	186	197	185
C90771	181	202	191	184	183	175	177	174	185	190
C90772	186	205	196	188	191	150	103			
C90773	200	220	203	210	216	213	223	143		
C90774	176	182	171	177	178	166	178	174	67	NOT TAKEN
C90776	215	230	222	211	214	214	221	224	231	237
C90777	219	240	219	220	207	222	203	220	227	243
C90778	199	199	198	186	183	171	178	170	179	183
C90779	190	223	207	203	199	182	195	198	189	184
GROUP: MALE 2 - 3 PPM										
C90781	189	197	183	188	182	186	179	164	191	187
C90782	185	204	188	184	178	183	186	189	180	203
C90783	157	179	168	159	156	162	158	158	154	169
C90784	182	201	185	177	174	174	179	171	181	188
C90785	203	228	203	214	196	197	200	195	198	209

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: MALE 2 - 3 PPM										
C90786	178	191	179	175	160	160	172	187	170	178
C90787	202	212	193	200	196	191	205	198	206	206
C90788	190	207	188	188	186	179	195	187	193	195
C90790	217	232	223	215	203	218	207	222	198	226
C90791	186	206	184	184	182	184	190	174	189	193
C90792	201	209	195	193	180	10				
C90793	177	188	187	186	181	175	185	180	183	177
C90794	SPILLED	SPILLED	222	213	195	195	206	191	194	212
C90795	184	187	180	173	102	20				
C90796	199	216	208	202	200	170				
C90798	198	211	190	194	190	195	199	190	217	217
C90799	171	178	169	168	168	163	169	169	171	178
C90800	190	208	197	193	194	198	198	205	210	215
C90801	203	222	207	165	231	209	213	205	201	209
C90802	189	192	178	187	179	171	177	163	182	191
C90803	203	223	204	202	201	195	206	SPILLED	222	243
C90804	208	214	204	200	194	194	198	204	199	197
C90805	208	207	195	192	218	50	18			
C90808	210	230	215	198	202	201	219	34	32	
C90809	187	205	178	187	192	187	187	183	186	189
C90810	201	226	212	210	200	190	216	210	217	222
C90811	194	205	182	227	210	185	154	179	189	195
C90812	191	215	200	193	189	178	188	193	206	199
C90815	181	205	189	180	191	168	183	174	182	182
C90816	209	218	193	203	222	211	227	204	211	221
C90819	193	220	211	201	203	193	201	210	211	228
C90820	183	196	186	183	174	178	184	195	76	
C90821	222	232	221	228	206	205	215	219	222	219
C90822	191	201	181	175	177	170	173	170	171	150
C90823	180	198	184	188	171	179	171	174	167	196
C90824	189	214	193	190	184	180	192	187	188	196

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: MALE 2 - 3 PPM										
C90825	192	210	197	192	210	194	193	189	206	200
C90826	267	SPILLED	234	239	238	230	230	135	221	230
C90827	208	220	211	221	223	230	214	228	NOT TAKEN	
C90828	205	216	210	230	251	191	204	208	212	201
C90829	234	239	228	219	219	209	216	211	221	239
C90830	183	205	185	181	180	174	178	186	186	195
C90832	195	219	187	203	202	182	191	190	201	62
C90835	175	181	184	189	197	174	189	192	207	190
C90837	169	174	159	160	187	238	275	229	SPILLED	306
C90838	233	198	232	224	226	197	221	226	230	242
C90839	224	249	222	222	217	209	209	221	232	213
C90840	200	227	207	191	205	199	208	217	209	201
GROUP: MALE 3 - 30 PPM										
C90841	201	195	191	184	198	179	189	193	193	207
C90842	150	153	148	144	148	139	149	135	146	154
C90844	204	234	208	203	214	181	218	207	216	223
C90845	179	197	174	181	186	181	185	192	195	207
C90847	189	197	190	182	181	171	186	183	197	202
C90848	194	223	220	204	214	197	209	186	200	178
C90849	195	198	199	199	200	195	186	164	136	107
C90850	159	179	159	155	166	164	169	160	165	187
C90851	168	183	169	172	174	168	182	169	175	190
C90854	208	247	204	197	193	189	204	194	210	205
C90855	197	202	179	186	182	171	179	166	176	186
C90856	183	202	186	184	174	165	193	184	182	195
C90857	182	201	181	200	185	181	177	184	187	194
C90858	179	188	185	181	178	175	172	168	174	176
C90859	212	228	213	214	215	178	156	79	188	
C90860	179	175	161	166	162	164	166	152	157	172

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: MALE 3 - 30 PPM										
C90861	199	193	191	184	189	182	197	131	76	
C90862	166	177	167	162	162	163	163	74	93	
C90864	187	195	179	176	173	174	168	181	180	175
C90865	174	181	168	174	173	162	172	163	175	169
C90867	170	192	175	166	171	174	176	173	170	193
C90868	202	219	203	193	207	206	196	196	193	59
C90869	198	214	202	198	205	202	206	204	161	224
C90870	226	234	199	203	202	204	205	205	195	165
C90871	162	179	166	162	169	163	174	160	167	170
C90872	174	196	180	176	175	173	179	177	178	187
C90873	198	204	189	181	SPILLED	193	186	SPILLED	167	139
C90874	200	214	202	195	200	31	231	225		
C90875	182	197	189	190	186	177	196	188	195	206
C90876	SPILLED	235	218	210	216	NOT TAKEN				
C90878	170	183	164	165	172					
C90879	207	205	199	207	185	187	198	201	216	197
C90881	197	216	205	200	197	188	202	198	232	228
C90882	193	203	188	193	196	187	194	192	193	207
C90883	207	239	226	225	152	223	217	177	195	184
C90884	198	205	195	171	185	190	200	SPILLED	SPILLED	SPILLED
C90885	190	204	195	188	186	177	184	198	189	184
C90886	212	231	216	222	206	222	219	185	215	222
C90887	200	232	212	209	212	212	198	196	0	
C90888	186	213	187	164	169	167	179	206	197	234
C90889	166	183	173	170	177	157	180	170	176	180
C90892	154	170	159	155	157	149	156	167	146	88
C90893	181	209	187	199	201	191	186	180	193	192
C90894	192	200	205	204	198	186	190	180	173	198
C90895	185	204	182	187	183	175	175	171	169	189
C90896	195	207	195	198	207	212	177	120	57	NOT TAKEN
C90897	208	220	207	200	205	200	200	194	201	207

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: MALE 3 - 30 PPM										
C90898	178	195	166	176	174	191	30			
C90899	172	187	170	171	178	179	177	168	168	170
C90900	189	204	189	185	187	184	178	169	170	177
GROUP: MALE 4 - 100 PPM										
C90901	172	186	176	175	181	185	178	190	196	118
C90902	171	181	169	173	173					
C90903	157	170	163	162	151	153	158	155	168	166
C90904	170	184	170	162	163	158	160	162	161	161
C90906	207	222	206	197	194	193	186	175	195	208
C90908	173	193	167	173	183	190	179	192	194	197
C90909	207	212	215	204	199					
C90910	172	184	171	163	163	157	158	167	168	173
C90911	177	188	182	176	181	175	171	167	176	177
C90912	192	205	188	190	188	187	185	102	127	116
C90913	165	181	164	170	159					
C90914	190	196	188	183	194	193	186	197	212	210
C90915	208	211	208	206	211	206	202	204	215	218
C90916	174	186	174	175	176	170	161	166	173	178
C90918	203	202	196	191	180					
C90919	189	190	193	188	192	175	173	174	188	192
C90920	172	190	176	182	188	192	195	184	200	218
C90922	189	193	182	176	176	155	100	NOT TAKEN		
C90923	202	189	197	188	191	196	191	189	196	212
C90924	168	180	188	184	187					
C90925	186	197	195	179	183	186	184	179	194	198
C90926	211	219	216	215	220	191	189	180	190	205
C90927	183	194	162	167	170	164	167	158	172	182
C90928	166	179	157	156	155	169	163	159	157	172
C90929	177	178	147	150	144	182	149	174	NOT TAKEN	

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: MALE 4 - 100 PPM										
C90930	184	190	177	168	177	177	173	164	185	208
C90931	184	201	192	186	168	175	179	176	165	183
C90932	194	202	187	176	174					
C90933	192	198	176	180	146	189	170	182	153	184
C90934	183	187	182	172	197	187	194	183	140	194
C90936	177	160	190	184	154	178	182	114	151	195
C90937	189	229	196	197	183	189	187	180	178	200
C90938	192	197	191	183	188	176	187	184	36	
C90940	208	237	217	232	218	220	117	NOT TAKEN		
C90941	197	219	185	201	205	201	207	212	200	220
C90943	212	203	SPILLED	181	181	205	204	SPILLED	186	185
C90944	156	168	161	159	149	152	160	155	150	161
C90945	172	174	NOT TAKEN							
C90946	125	187	121	154	177	189	153	171	186	182
C90947	175	200	178	178	182	170	173	177	167	181
C90948	179	196	174	170	177	172	170	173	171	175
C90950	191	217	194	202	184					
C90951	177	188	167	170	176					
C90952	209	229	202	191	155	74				
C90953	159	170	164	162	168	167	166	167	174	175
C90954	184	196	186	182	178	168	168	120	69	
C90955	184	195	183	181	182	180	182	190	194	192
C90956	180	204	179	184	182	188	189	187	161	187
C90957	177	165	166	181	176					
C90958	197	155	182	192	173	192	94	200	211	212
C90959	192	205	193	187	186	184	179	190	185	196
C90962	203	217	199	201	192	199	194	177	76	
C90963	183	200	182	183	188	185	173	71	86	86
C90964	207	214	199	197	201	234	213	136	127	SPILLED
C90965	209	207	171	188	171	179	181	129	SPILLED	SPILLED
C90967	183	196	183	175	171					

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: MALE 4 - 100 PPM										
C90968	181	199	173	172	172	159	170	177	2	224
C90969	213	230	231	225	216	211	216	202	221	207
C90970	163	173	172	157	168	154	170	157	181	173
GROUP: MALE 6 - 100 PPM										
C91041	197	211	210	204	201	134	2			
C91042	188	190	180	191	175	183	200	194	204	205
C91043	194	205	189	178	170	186	190	186	185	198
C91044	194	213	193	200	196	147	85	NOT TAKEN		
C91045	200	214	196	157						
C91047	162	189	150	170	169	169	183	173	179	186
C91048	193	208	199	204	204	201	200	200	196	198
C91049	212	45								
C91050	189	213	192	190	195	206	205	200	199	203
C91051	213	218	199	212	207	207	210	202	202	225
C91052	229	237	226	229	240	248	175	45	NOT TAKEN	
C91053	172	182	172	182	179	194	187	179	188	195
C91054	192	203	194	191	198	193	217	213	223	226
C91055	225	211	218	206	198	216	224	202	233	247
C91056	193	SPILLED	189	187	183	184	176	192	186	195
C91057	183	197	189	177	170	185	199	203	175	127
C91058	169	183	175	166	168	155	182	175	167	191
C91059	167	186	168	187	196	188	191	201	206	202
C91060	169	181	167	172	165	172	188	185	196	206
C91061	174	187	169	174	172	171	187	189	184	196
C91062	215	199	184	193	183	185	199	190	194	190
C91063	155	151	143	144	144	140	158	154	153	150
C91064	188	202	199	188	187	171	185	198	194	193
C91065	169	178	158	152	161	126	148	138	135	158
C91066	182	188	182	184	180	189	206	190	180	170

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: MALE 6 - 100 PPM										
C91067	199	202	185	186	186	201	202	196	199	198
C91069	213	226	201	208	201	219	228	216	217	254
C91070	172	188	184	172	163	171	183	182	185	179
C91071	188	198	186	192	184	184	207	208	213	220
C91072	154	172	166	158	157	160	140	158	167	160
C91073	194	208	206	209	214	222	194	185	236	228
C91074	165	177	180	171	163	166	180	180	182	184
C91075	194	206	200	202	191	193	194	200	199	206
C91076	178	193	175	187	185	173	194	198	199	197
C91077	196	207	197	182	180	185	188	151	188	204
C91078	165	150	141	167	168	141	170	174	176	174
C91079	172	193	177	188	182	188	196	204	189	158
C91080	186	185	174	178	183	185	182	173	196	198
GROUP: FEMALE 1 - 0 PPM										
C91121	151	162	151	134	158					
C91122	139	135	131	150	152					
C91123	132	148	138	136	128	140	118	144	141	144
C91124	142	148	160	142	144					
C91125	129	145	135	135	135	116	128	137	142	151
C91127	118	155	132	137	147	138	159	151	150	171
C91128	161	196	193	170	180	167	144	179	217	196
C91130	127	150	160	130	138	151	130	148	154	143
C91131	111	118	107	107	103	111	114	116	118	123
C91132	201	174	154	147	167	158	146	141	141	122
C91133	163	144	134	139	142					
C91134	170	175	182	165	171	184	170	169	29	59
C91136	170	173	168	175	168	159	168	158	153	183
C91137	110	113	104	85	100	91	116	115	125	134
C91138	168	182	124	129	119	116	117	108	123	113

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: FEMALE 1 - 0 PPM										
C91139	140	143	166	142	148	149	36			
C91141	144	149	162	149	138	134	124	126	154	127
C91142	137	155	155	143	141	134	119	138	134	0
C91144	109	114	114	SPILLED	108	112	112	111	109	111
C91146	148	168	154	143	156	135	99	149	116	72
C91147	205	SPILLED	188	167	163	160	160	173	152	105
C91148	134	129	145	143	134	135	143	136	155	159
C91149	140	156	164	142	156	138	155	148	139	137
C91150	158	170	160	162	150	164	141	114	122	122
C91151	187	222	208	204	207	188	187	184	116	15
C91152	151	153	149	148	145					
C91153	174	205	178	196	193	207	198	198	200	185
C91154	138	151	150	140	134	146	130	136	134	129
C91156	153	171	200	179	181	194	191	176	170	148
C91157	147	143	124	123	127	121	123	124	128	117
C91158	163	164	163	134	132	131	149	147	162	168
C91159	126	136	126	114	123	137	121	128	125	130
C91161	148	162	134	142	136	62	7			
C91164	171	190	188	185	151	192	184	181	188	190
C91166	128	140	142	136	138	131	144	142	142	139
C91167	156	185	168	156	144	164	156	141	184	172
C91168	125	141	141	136	146	140	134	142	160	163
C91170	159	169	163	143	179	159	130	133	140	142
C91172	200	SPILLED	202	171	171	159	170	145	176	167
C91173	110	169	159	153	117	64				
C91175	156	SPILLED	188	146	153	166	146	171	156	191
C91176	150	155	155	139	148	160	145	160	171	185
C91177	103	147	114	115	120	119	120	150	167	170
C91178	153	160	154	141	141	134	137	137	140	150
C91179	153	168	138							
C91180	145	154	162	178	181	SPILLED	SPILLED	NOT TAKEN		

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: FEMALE 1 - 0 PPM										
C91182	164	175	166	157	160	163	157	173	189	164
C91183	SPILLED	SPILLED	SPILLED	199	231	196	SPILLED	178	190	184
C91184	145	180	162	149	163	171	165	177	178	173
C91185	124	171	164	165	160	149	53	8		
C91186	126	152	162	158	144	143	156	130	146	165
C91187	148	169	155	147	156	155	138	108	88	76
C91188	138	141	138	132	123	141	139	137	143	137
C91189	115	122	118	114	118	114	117	111	122	120
C91190	143	151	137	145	137	146	138	128	159	144
GROUP: FEMALE 2 - 3 PPM										
C91191	137	166	186	113	SPILLED	175	149	182	189	179
C91193	165	146	152	141	114	130	141	118	131	140
C91194	148	164	148	154	139	95	133	126	158	166
C91195	170	177	150	172	179	151	153	172	174	151
C91196	116	154	157	148	140	149	160	150	172	164
C91197	185	208	200	170	154	133	153	144	145	148
C91199	140	153	141	143	145	141	149	146	149	159
C91200	132	176	126	130	127	117	124	137	148	120
C91201	150	159	136	138	140	144	120	163	152	158
C91202	164	179	150	160	174	159	170	180	158	168
C91203	145	160	153	149	148	131	165	169	156	167
C91204	156	166	159	190	160	161	85			
C91206	169	170	155	168	167	157	175	116	118	162
C91207	143	146	141	139	143	100	151	125	117	131
C91208	155	157	138	138	152	137	134	127	98	84
C91209	172	184	143	136	151	134	129	140	153	191
C91210	152	154	148	135	135	131	156	142	140	144
C91211	131	154	147	127	133	147	131	150	165	171
C91212	144	148	142	130	137	148	150	2		

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: FEMALE 2 - 3 PPM										
C91213	125	160	155	154	161	131	147	138	134	76
C91214	162	172	148	147	148	137	149	157	173	185
C91215	146	158	120	115	164					
C91216	143	143	137	125	119	124	135	145	149	149
C91217	121	143	145	121	139	125	138	131	NOT TAKEN	
C91218	166	188	192	171	139	179	SPILLED	187	SPILLED	SPILLED
C91219	SPILLED	227	168	161	144	142	144	137	162	147
C91220	132	153	137	129	128	129	136	126	141	156
C91221	159	169	174	160	142	137	151	161	155	159
C91224	143	169	143	112	132	135	128	120	133	141
C91225	141	142	126	133	131	127	136	125	121	136
C91226	147	167	150	148	151	148	158	159	159	151
C91227	128	136	126	128	130	127	117	130	128	144
C91228	144	154	154	146	149	SPILLED	170	159	163	182
C91229	121	135	125	126	127	117	114	122	125	150
C91231	134	154	174	165	147	161	149	149	156	158
C91232	124	136	120	127	111	123	127	137	139	143
C91234	140	171	186	186	170	170	180	100		
C91235	SPILLED	181	152	144	123	115	132	127	142	151
C91236	162	168	155	147	148	144	145	142	145	156
C91238	149	147	141	145	138	143	140	17	NOT TAKEN	
C91239	144	132	146	135	141	128				
C91240	143	135	110	139	SPILLED	104	129	124	141	144
C91242	192	SPILLED	SPILLED	147	SPILLED	144	152	SPILLED	SPILLED	146
C91243	261	208	153	176	140	140	146	167	166	160
C91244	99	142	131	130	140	141	147	105		
C91245	146	149	158	158	141	138	153	148	147	171
C91246	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	161	175	SPILLED
C91247	179	203	194	180	180	150	167	91	117	70
C91249	163	173	165	162	160	164	171	167	184	170
C91250	123	128	114	117	133	143	152	140	155	154

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: FEMALE 3 - 30 PPM										
C91252	126	145	151	146	144	136	120	137	148	147
C91253	142	143	130	138	130	108	125	139	141	138
C91254	117	124	121	115	117	107	112	125	129	121
C91255	128	139	136	131	128	135	130	118	123	128
C91256	142	152	142	130	128	139	136	132	143	157
C91257	131	133	124	128	126	128	125	127	109	110
C91258	140	155	151	136	125	131	141	134	145	142
C91259	147	164	161	134	127	68	71			
C91260	152	166	164	158	154	156	161	136	58	85
C91261	136	149	153	150	144	148	144	140	132	141
C91262	118	132	114	124	125	123	125	123	142	144
C91263	160	167	167	161	157	155	153	87	159	NOT TAKEN
C91264	123	142	132	134	127	126	123	122	125	125
C91265	136	129	119	143	138	119	145	136	127	139
C91266	177	181	164	162	151	154	161	156	173	178
C91267	126	144	133	139	138	145	170	163		
C91268	129	135	131	131	137	119	132	125	139	170
C91269	143	186	165	167	165	178	158	161	180	178
C91270	147	167	156	90	140	99				
C91271	149	191	173	158	160	164	183	168	198	165
C91273	144	151	159	152	141	145	136	146	159	155
C91274	127	142	138	132	139	150	141	143	132	
C91275	150	166	178	153	145	130	104	SPILLED	145	
C91276	141	149	134	136	128	127	131	122	131	130
C91277	134	136	129	123	SPILLED	126	133	132	141	NOT TAKEN
C91278	141	145	134	125	125	123	123	132	131	131
C91279	209	213	201	192	190	197	SPILLED	195	250	212
C91280	145	156	141	135	145	148	149	144	153	152
C91282	161	201	173	90	10					
C91283	147	150	155	138	144	148	147	129	142	156
C91284	143	139	150	108	123	129	118	125	155	142

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: FEMALE 3 - 30 PPM										
C91286	159	164	139	129	138	SPILLED	132	128	150	131
C91289	131	164	131	123	106	80	87	128	84	111
C91290	187	195	184	169	161	67				
C91292	126	153	142	142	143	158	161	145	163	165
C91294	123	141	139	136	103	128	123	121	140	162
C91295	115	132	140	145	137	128	137	140	135	155
C91296	118	141	132	123	121	116	113	118	122	134
C91297	180	SPILLED	151	151	142	153	162	136	139	143
C91298	142	213	175	164	SPILLED	SPILLED	SPILLED	118	118	140
C91300	148	170	152	146	135	140	106	89	94	98
C91301	110	148	141	141	148	145	139	146	167	163
C91302	149	158	155	159	140	68	157	143	90	NOT TAKEN
C91303	135	141	152	144	145	147	134	162	163	147
C91305	177	185	187	173	184	168	162	174	178	174
C91306	146	158	156	143	134	150	151	136	143	142
C91307	138	146	130	143	131	141	145	137	151	145
C91308	SPILLED	208	191	180	167	151	132	125	113	
C91309	158	171	163	161	156	154	154	131		
C91310	129	153	151	154	144	141	142	136	146	149
GROUP: FEMALE 4 - 100 PPM										
C91311	139	154	125	129	124	122	124	NOT TAKEN		
C91312	114	120	108	113	107	105	108	106	112	113
C91313	153	156	148	147	141	144	143	133	139	139
C91314	200	226	165	226	164	190	SPILLED	SPILLED	204	114
C91315	131	145	138	142	141	137	136	138	135	134
C91319	148	155	143	137	134	136	133	123	117	
C91320	141	146	137	144	145	147	142	143	150	140
C91321	144	170	158	155	159	154	158	145	169	157
C91323	167	183	173	166	150					

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: FEMALE 4 - 100 PPM										
C91324	112	121	111	114	112	105	109	118	119	121
C91325	124	136	118	111	94	111	121	121	140	130
C91326	126	136	122	126	123	124	118	112	128	113
C91327	122	135	114	123	122	125	125	121	128	144
C91328	109	144	143	140	130	105	137			
C91330	142	162	151	147	138	155	152	140	150	150
C91331	153	172	157	151	155	159	159	142	139	127
C91332	119	134	123	112	117	118	SPILLED	117	128	124
C91334	142	152	138	139	134	128	123	128	132	140
C91335	115	137	119	117	110	101	116	115	116	129
C91336	271	243	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	205	SPILLED
C91338	90	109	81	103	97	86	93	95	113	101
C91339	145	153	138	142	139	134	135	149	146	148
C91340	125	149	124	143	150	137	142	126	141	127
C91341	149	164	132	147	149	148	155	145	152	155
C91342	130	138	120	120	130	103	119	134	135	112
C91343	128	132	118	124	121					
C91344	116	124	125	79	98	103	116	104	114	113
C91346	142	161	150	144	140	147	136	127	104	NOT TAKEN
C91347	SPILLED	137	127	136	131					
C91348	109	133	137	142	136					
C91349	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	181				
C91351	127	142	150	130	146	140	155	151	153	167
C91352	148	160	141	155	156					
C91353	143	150	120	144	135					
C91354	106	119	111	105	106	106	100	83	88	94
C91356	SPILLED	176	167	153	SPILLED	191	194	160	179	161
C91357	97	102	91	91	95	91	95	105	93	108
C91358	140	179	163	170	167	154	161	157	146	155
C91359	128	166	134	134	134	131	126	122	143	154
C91360	131	146	130	123	123	120	126	119	120	120

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: FEMALE 4 - 100 PPM										
C91361	112	119	119	122	117	125	127	124	116	114
C91362	135	156	146	135	149	128	138	147	158	164
C91363	151	138	132	132	130	127	136	135	134	140
C91364	113	129	111	116	113	110	115	103	112	117
C91365	SPILLED	SPILLED	188	211	197					
C91366	140	155	138	144	153	147	155	140	151	165
C91367	154	163	139	127	140					
C91368	121	131	110	126	133					
C91369	138	164	138	149	141	142	158	148	173	174
C91371	154	170	156	221	160					
C91372	118	131	115	122	112	111	123	112	120	119
C91373	167	183	166	165	178	149	151	133	2	
C91374	122	136	126	125	138	117	119	125	133	135
C91375	117	134	126	132	127	117	127	117	140	140
C91376	120	129	119	119	118	115	113	114	72	120
C91377	143	134	118	137	137	141	134	129	145	
C91378	113	129	105	115	112	134	131	161	161	SPILLED
C91380	124	143	134	137	127	131	127	119	121	129
GROUP: FEMALE 6 - 100 PPM										
C91451	152	140	126	121	126	145	129	120	143	152
C91452	146	160	153	143	142	154	172	155	166	138
C91453	143	163	145	135	133	148	145	125	164	169
C91454	121	127	116	112	108	114	137	120	113	121
C91455	125	134	121	124	121	128	126	117	129	132
C91456	117	138	122	119	117	140	141	139	147	143
C91457	134	149	136	130	127	144	145	138	154	156
C91458	127	142	126	137	125	142	128			
C91459	SPILLED	SPILLED	224	SPILLED	SPILLED	SPILLED	SPILLED	184	171	174
C91460	106	120	100	102	90	90	69			

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: FEMALE 6 - 100 PPM										
C91461	142	169	157	161	156	179	188	183	188	184
C91462	140	162	151	140	139	149	143	138	161	158
C91463	129	136	118	122	126	134	149	137	145	155
C91464	121	136	119	126	131	137	140	126	128	84
C91465	145	169	154	146	142	176	166	152	161	182
C91466	128	155	129	137	143	136	148	159	178	163
C91467	131	150	140	142	139	145	144	140	155	168
C91468	SPILLED	SPILLED	154	123	139	150	SPILLED			
C91469	123	134	119	119	123	131	135	125	93	NOT TAKEN
C91470	156	180	150	165	151	150	161	128	0	
C91471	136	157	138	143	138	146	152	133	147	153
C91472	122	139	126	135	123	135	143	145	129	157
C91473	116	147	108	107	118	121	135	120	136	143
C91474	147	172	128	139	136	136	SPILLED	146	166	161
C91475	161	171	162	159	147	159	194	167	176	170
C91476	144	158	140	144	136	142	162	157	152	189
C91477	145	155	141	147	135	143	149	156	162	182
C91478	149	166	159	167	156	170	SPILLED	155	173	180
C91479	147	177	154	140	147	174	167	153	157	171
C91480	134	146	139	139	127	129	134	126	139	141
C91481	110	128	124	130	127	136	157	131	172	113
C91482	138	152	130	140	132	141	155	148	162	162
C91483	136	147	129	131	92	132	145	138	141	144
C91484	127	127	133	123	123	108	120	74	43	
C91485	121	134	122	113	92	134	133	122	137	155
C91486	136	141	133	138	137	152	177	SPILLED	176	157
C91487	125	144	123	136	130	159	161	163	180	189
C91488	133	139	132	135	121	132	149	142	158	178
C91489	141	163	142	149	143	154	177	165	170	192
C91490	SPILLED	152	137	141	138	144	160	136	133	201

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: MALE 1 - 0 PPM								
C90711	38							
C90712	184	183	182	167	162	158	116	SPILLED
C90713	211	211	199	154	129	107		
C90715	212	196	181	126	109			
C90716	195	193	203	193	164	162	171	166
C90720	200	196	179	152				
C90722	189	188	195	183	204	192	208	184
C90724	200	209	216	199	189	208	193	191
C90726	134	180	168	158	CNTMD	SPILLED	SPILLED	SPILLED
C90727	204	211	200	188	130	38		
C90728	198	185	186	195	189	176	160	155
C90729	184	191	187	179	NOT TAKEN			
C90733	65	216	SPILLED	191	SPILLED			
C90734	170	NOT TAKEN						
C90735	190	198	199	178	60	191	204	SPILLED
C90738	159	183	172	181	182	151		
C90739	190	175	199	171	199	186	50	
C90741	194	186	177	192	125	37	NOT TAKEN	
C90742	192	179	175	168	171	162	150	155
C90743	222	234	209	201	198	189	182	186
C90744	223	198	163					
C90745	25							
C90747	167	171	SPILLED	194	181	155	170	175
C90749	180	179	170	181	24			
C90750	191	190	183	170	176	156	171	160
C90755	241	241	229	218	194	181	NOT TAKEN	
C90758	203	SPILLED	235	199	170	157	163	SPILLED
C90759	163	161	71					
C90760	154	118	SPILLED					
C90761	185	194	190	176	169			
C90762	167							
C90763	184	202	136					

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: MALE 1 - 0 PPM								
C90764	177	181	NOT TAKEN					
C90765	228	226	227	186	224	190	204	203
C90770	197	195	122	51	NOT TAKEN			
C90771	190	205	169	68	103			
C90776	234	226	230	230	239	200	NOT TAKEN	
C90777	205	210	173	NOT TAKEN				
C90778	182	175	190	174	189	180	183	193
C90779	177	190	173	121	3			
GROUP: MALE 2 - 3 PPM								
C90781	195	192	193	187	183	180	188	154
C90782	195	171	SPILLED	164	174	132	188	183
C90783	172	176	85	162	160	145	145	138
C90784	164	167	161	131	87			
C90785	190	189	222	206	219	193	136	32
C90786	171	188	188	165	160			
C90787	213	217	207	199	181	200	131	145
C90788	199	196	221	190	197	185	189	186
C90790	140	61						
C90791	190	199	197	186	193	190	176	172
C90793	131							
C90794	138	SPILLED	SPILLED	SPILLED	224	SPILLED	186	SPILLED
C90798	233	240	231	182	183	193	38	
C90799	183	177	167	150	161	155	158	148
C90800	201	198						
C90801	179	SPILLED	236	218	228	217		
C90802	139	3						
C90803	116	191	287	280	SPILLED			
C90804	194	206	187	172	162	137	96	66
C90809	157	SPILLED	SPILLED	SPILLED	SPILLED	227	195	SPILLED

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: MALE 2 - 3 PPM								
C90810	SPILLED	225	222	204	199	205	191	175
C90811	201	203	196	178	190	175	182	184
C90812	195	193	198	185	173	139	112	97
C90815	188	181	173	156	164	138	106	120
C90816	179	189	43					
C90819	211	239	239	208	NOT TAKEN			
C90821	222	226	229	219	225	216	NOT TAKEN	
C90822	0							
C90823	175	179	194	164	137	157	163	178
C90824	196	24						
C90825	209	206	217	201	135	192		
C90826	239	233	253	211	NOT TAKEN			
C90828	183	NOT TAKEN						
C90829	249	232	245	223	216	216	248	167
C90830	192	189	211	175	186	162	176	150
C90832	206	167	221	187	160	191	199	190
C90835	208	214	182	197	196	176	159	160
C90838	237	235	240	223	202	213	207	188
C90839	203	166	229	SPILLED	138	159		
C90840	197	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
GROUP: MALE 3 - 30 PPM								
C90841	201	209	189	149	116	41		
C90842	147	155	157	125	128	122	129	137
C90844	235	226	228	210	208	197	161	120
C90845	119							
C90847	199	201	149	137	112	31		
C90848	NOT TAKEN							
C90849	81							
C90850	183	194	184	183	143	98	142	116

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: MALE 3 - 30 PPM								
C90851	190	185	184	163	173	184	179	170
C90854	208	204	199	177	169	162	163	112
C90855	177	193	182	160	168	157	160	165
C90856	189	198	209	187	193	180	162	180
C90857	179	184	203	180	176	137	87	
C90858	160	186	162	148	127	SPILLED	168	117
C90860	176	169	177	154	150	152	151	159
C90864	164	178	179	160	160	150	165	172
C90865	173	170	173	166	165	150	153	144
C90867	183	196	181	175	169	159	168	172
C90869	217	217	224	211	196	177	164	191
C90870	117	NOT TAKEN						
C90871	149	181	170	160	163	144	156	156
C90872	200	201	214	136				
C90875	196	196	202	191				
C90879	123	37						
C90881	225	225	217	214	218	201	212	199
C90882	208	226	226	208	220	204	194	196
C90883	185	179	225	175	165	189	144	161
C90884	210	SPILLED	193	176	202	177	168	84
C90885	192	176	184	151	194	SPILLED	200	148
C90886	231	172	98	92				
C90888	159	1						
C90889	190	171	197	178	192	176	165	168
C90892	1							
C90893	203	204	197	189	200	199	196	195
C90894	191	180	194	162	159	147		
C90895	182	190	190	174	165			
C90897	215	208	218	203	211			
C90899	186	179	180	189	177	160	97	NOT TAKEN
C90900	179	183	173	162	170	161	148	156

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: MALE 4 - 100 PPM								
C90903	166	168	179	156	156	152	115	
C90904	166	168	164	151	136	136	142	123
C90906	176	196	191	198	205	197	108	
C90908	191	187	205	177	173	SPILLED	180	167
C90910	169	180	186	160	178	126	183	180
C90911	173	190	185	168	159	155	169	168
C90912	121	90						
C90914	213	222	212	165	138	91	NOT TAKEN	
C90915	221	220	212	207	195			
C90916	191	188	181	158	168	156	156	158
C90919	166							
C90920	214	217	209	175	214	218	178	NOT TAKEN
C90923	215	162	56					
C90925	207	202	188	164	26			
C90926	208	207	210	162	197	103	SPILLED	SPILLED
C90927	187	191	186	178	148	160	176	174
C90928	168	180	35	64	164	123	126	173
C90930	169	184	171	165				
C90931	193	192	157	173	174	129		
C90933	184	165	167	199	171	199	183	163
C90934	192	SPILLED	192	186	171	167	123	
C90936	205	SPILLED	206	188	208	185	126	
C90937	196	190	198	170	151	140	120	
C90941	180	109	81					
C90943	146	SPILLED	177	85	NOT TAKEN			
C90944	157	165	165	159	146	147	161	148
C90946	78							
C90947	190	169	181	186	177	182	181	176
C90948	183	195	174	151	158	SPILLED	154	SPILLED
C90953	181	177	177	162	171	154	161	162
C90955	182	207	204	183	187	160	164	165

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: MALE 4 - 100 PPM								
C90956	204	218	205	193	181	166	160	SPILLED
C90958	55	163	SPILLED	173	139			
C90959	187	207	136					
C90965	SPILLED	190	SPILLED	181	176	158	175	176
C90968	193	SPILLED	83	161	107	111	SPILLED	151
C90969	218	210	150					
C90970	180	185	193	159	177	187	NOT TAKEN	
GROUP: MALE 6 - 100 PPM								
C91042	201	205	218	196	99			
C91043	184	193	200					
C91047	176	165	185	148	116	173	158	164
C91048	116	NOT TAKEN						
C91050	225	217	219	199	143	164	160	
C91051	217	212	113	2				
C91053	186	192						
C91054	210	226	230	228	214	186	220	176
C91055	239	222						
C91056	196	201	184	184	171	163	142	149
C91058	172	187						
C91059	173	31						
C91060	202	204	212	190	169	159	167	173
C91061	188	193	192	129				
C91062	177	52	102	42	155			
C91063	150	152	159	148	80	45	NOT TAKEN	
C91064	190	193	205	181	162	192		
C91065	168	157	143	169	159	173	197	161
C91066	127	173	154					
C91067	189	209	209	206	193	163	NOT TAKEN	
C91069	239	252	NOT TAKEN					

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: MALE 6 - 100 PPM								
C91070	164	176	172	163	148	141	146	134
C91071	221	225	223	221	214	214	199	193
C91072	164	159	140	119	113	129	123	SPILLED
C91073	228	216	177	213	SPILLED	185	SPILLED	SPILLED
C91074	195	173	206	196	SPILLED	SPILLED	SPILLED	
C91075	112							
C91076	213	224	173	222	218	SPILLED	SPILLED	171
C91077	194	168	NOT TAKEN					
C91078	184	197	190	205	188			
C91079	186	141	75					
C91080	185	192	201	197	171	105		
GROUP: FEMALE 1 - 0 PPM								
C91123	170	146	171	159	174	SPILLED		
C91125	154	160	167	162	104	NOT TAKEN		
C91127	157	159	158	175	153	160	113	7
C91130	56							
C91131	165	157	156	143	127	130	115	125
C91132	136	142	162	121				
C91136	175	168	SPILLED	63				
C91137	150	151	147	117	142	103	68	
C91138	149	164	165	138	136	139	152	144
C91141	177	NOT TAKEN						
C91144	108	126	131	114	110	108	107	102
C91147	61							
C91148	155	171	195	157	172	171	149	144
C91149	168	SPILLED	144	NOT TAKEN				
C91150	NOT TAKEN							
C91153	206	189						
C91154	131							

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: FEMALE 1 - 0 PPM								
C91157	134	130	135	130	119	112	112	126
C91158	193	193	181	163	161			
C91159	146	169	151	153	152	138	134	152
C91164	196	196	154	150	87			
C91166	143	174	149	152	145	146	144	142
C91167	208	153	SPILLED	149	SPILLED	152	147	
C91168	182	185	NOT TAKEN					
C91170	118	150	78	SPILLED				
C91172	246	SPILLED	213	176	SPILLED	225	153	194
C91175	186	192	121					
C91176	169	196	199	192	176	94	SPILLED	72
C91177	180	179	179	168	141			
C91178	172	164	158	95				
C91182	185	77	5	NOT TAKEN				
C91183	197	205	207	200	195	185	176	193
C91184	206	198	166	46				
C91186	163	177	166	147	89	145		
C91188	156	145	165	158	128	133	139	143
C91189	124	129	144	126	65			
C91190	153	174	157	166	164	169	151	120
GROUP: FEMALE 2 - 3 PPM								
C91191	176	177	173	170	205	99		
C91193	119	SPILLED	138	62				
C91194	178	SPILLED	163	135	135	115	53	NOT TAKEN
C91195	166	169	180	156	104	55	NOT TAKEN	
C91196	150	22						
C91197	144	164	164	162	166	153	143	154
C91199	147	177	155	163	88	106		
C91200	148	155	149					

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: FEMALE 2 - 3 PPM								
C91201	164	166	151	161	152	103	65	126
C91202	185	189	121					
C91203	NOT TAKEN							
C91207	141	158	146	135	47	149	136	147
C91211	152	168	160	162	177	160	151	140
C91213	117							
C91214	181	180	140	165	188	135		
C91216	159	145	SPILLED	SPILLED	130	142	147	150
C91218	173	144	63	96	129	SPILLED		
C91219	179	146	63	NOT TAKEN				
C91220	174	178	164	134	177	170	149	129
C91221	163	166	164	167	169	176	153	134
C91224	131	137	149	138	97	99		
C91225	140	55	NOT TAKEN					
C91226	112	85	176					
C91227	157	145	137	117	126	132	132	145
C91228	194	SPILLED	194	107	78			
C91229	80	163	101	101	26			
C91231	166	179	184	134	NOT TAKEN			
C91232	140	153	148	153	151	133	143	121
C91235	SPILLED	SPILLED	SPILLED	130	136	138	126	132
C91236	152	169	169	131	145	141	139	123
C91240	148							
C91242	SPILLED	SPILLED	SPILLED	141	134	137	129	137
C91243	178	181	193	165	157	158	129	128
C91245	175	169	174	164	101	NOT TAKEN		
C91246	133	161	117					
C91249	195	191	181	155	21	22		

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: FEMALE 3 - 30 PPM								
C91252	149	164	157	152	164	143	137	142
C91253	144	157	162	148	126	132	129	136
C91254	122	118	130	124	107	134	121	139
C91256	SPILLED	170	178	158	150	110	109	125
C91257	102	89						
C91258	123	168	11					
C91261	135	146	130	113	114	86		
C91262	133	137	122	1				
C91264	127	159	149	138	136	129	119	82
C91265	163	148	152	119	42			
C91266	175	159	169	155	144	129	55	NOT TAKEN
C91268	143	168	143	165	160	140		
C91269	63	48						
C91271	192	143	98	121	137			
C91273	160	104						
C91276	124	143	136	130	131	153		
C91278	140	135	131	120	132	131	107	115
C91279	200	SPILLED	SPILLED	205	SPILLED	157	162	155
C91280	162	162	157	155	158	72		
C91283	151	183	148	2	SPILLED			
C91284	143	155	150	135	143	130		
C91286	136	138	142	116	127	124	124	120
C91292	171	172	186	165	176	174	166	176
C91294	175	171	169	SPILLED	167	166	156	135
C91295	151	177	157	145	171	151	136	80
C91296	125	76	63					
C91297	136	150	140	163				
C91300	119	SPILLED						
C91301	151	162	182	173	153	148	134	151
C91303	164	165	153	129	158	135	121	130
C91305	175	159	155					

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: FEMALE 3 - 30 PPM								
C91306	147	141	141	150	129	120	137	
C91307	164	162	147	154	139	125	101	67
C91310	160	170	178	167	142	153	154	157
GROUP: FEMALE 4 - 100 PPM								
C91312	115	116	109	100	87	19		
C91313	128	133	82					
C91315	149	163	SPILLED	SPILLED	150	148	149	145
C91320	106							
C91321	162	168	154	111	103			
C91324	132	134	129	98	120	109	116	108
C91325	130	152	135	136	128	105	54	
C91326	105	84	86					
C91327	140	144	157	135	173	161	150	141
C91330	171	130	61					
C91331	38							
C91332	197	SPILLED	150	114	118	136	94	106
C91334	143	147	132	130	107	101	152	
C91335	125	136	134	126	127	114	101	113
C91336	SPILLED	SPILLED	SPILLED	SPILLED	225	SPILLED	207	SPILLED
C91338	110	107	122	116	104	96	107	88
C91339	160	176	160	141	84	102		
C91340	140	155	139	133	135	124	83	150
C91341	160	148	167	166	155	170	148	174
C91342	136	133	145	114	131	133	125	125
C91344	123	140	118	116	104	69	91	
C91351	157	161	127	124	55			
C91354	99	95	97	NOT TAKEN				
C91356	205	228	201	172	158	147	157	79
C91357	105	102	101	96	91	101	95	92

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: FEMALE 4 - 100 PPM								
C91359	150							
C91360	129	141	133	112	123	121	116	116
C91361	128	125	118	105	115	106	109	98
C91362	163	164	185	176	161	162	153	144
C91363	140	123	154	138	132	SPILLED		
C91364	108	118	97	85	102	95	140	
C91366	147	147	128					
C91372	123	134	137	112	116	103	110	103
C91374	150	152	150	122	75	31		
C91375	153	81						
C91376	113	126	125	111	114	112	119	110
C91378	158	SPILLED	SPILLED	168	189	SPILLED	181	128
C91380	125	122	150	121	139	182	178	205
GROUP: FEMALE 6 - 100 PPM								
C91451	148	165	157	158	146	161	142	161
C91453	148	168	154	193	140	218	241	204
C91454	149	99						
C91455	132	132	143	132	108	120	113	126
C91456	2							
C91457	161	167	188	173	167	NOT TAKEN		
C91459	186	159	188	176	163	168	117	144
C91461	185	219	98					
C91462	164	154	151	142	134	135	132	124
C91463	146	153	138					
C91465	153	99	69	SPILLED				
C91466	168	197	164	156	2			
C91467	166	139	162	179	135	165	153	129
C91471	156	157	152	147	139	61		
C91472	141	170	164	167	125	SPILLED		

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: FEMALE 6 - 100 PPM								
C91473	139	169	168	140	149	154	141	144
C91474	175	170	114	79	98			
C91475	195	186	156	177	178	146	NOT TAKEN	
C91476	99	NOT TAKEN						
C91477	198	109	93					
C91478	174	161	151					
C91479	174	171	170	181	162	177	155	173
C91480	149	155	163	142	155	142	110	146
C91482	131	91	93	77	79			
C91483	151	141	132	148	119			
C91485	151	154	160	142	149	151	117	120
C91486	129	75	175	SPILLED	NOT TAKEN			
C91487	176	197	173	195	162	174	166	174
C91488	151	159	148	150	140	147	143	178
C91489	174	183						
C91490	160	153						

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 2 - 3 PPM										
C90781	0.231	0.213	0.192	0.180	0.171	0.167	0.159	SPILLED	0.153	0.150
C90782	SPILLED	0.224	0.218	0.207	SPILLED	0.193	0.221	0.171	0.181	0.163
C90783	0.256	0.225	0.212	0.202	0.190	0.177	0.163	0.164	0.153	0.148
C90784	0.250	0.224	0.208	0.194	0.181	0.175	0.162	0.159	0.151	0.149
C90785	0.251	0.221	0.204	0.194	0.181	0.178	0.173	0.170	0.158	0.156
C90786	0.263	0.225	0.194	0.192	0.181	0.169	0.164	0.158	0.140	0.140
C90787	0.253	0.224	0.207	0.197	0.188	0.184	0.179	0.170	0.161	0.156
C90788	0.326	0.231	0.214	0.197	0.182	0.168	0.162	0.155	0.147	0.142
C90789	0.246	0.222	0.205	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90790	0.263	0.232	0.215	0.197	0.191	0.179	0.177	0.170	0.157	0.154
C90791	0.257	0.239	0.211	0.207	0.203	0.186	0.180	0.172	0.167	0.159
C90792	0.260	0.237	0.216	0.214	0.200	0.183	0.170	0.165	0.159	0.147
C90793	0.255	0.229	0.219	0.201	0.186	0.173	0.171	0.163	0.155	0.146
C90794	0.274	0.258	0.228	0.211	0.210	0.187	0.178	0.172	0.164	0.156
C90795	0.244	0.223	0.200	0.193	0.191	0.176	0.179	0.176	0.165	0.160
C90796	0.249	0.227	0.231	0.209	0.199	0.187	0.194	0.189	0.188	0.182
C90797	0.246	0.217	0.200	0.185	0.176	0.167	0.167	0.157	0.145	0.143
C90798	0.273	0.242	0.221	0.145	0.187	0.169	0.180	0.155	0.167	0.146
C90799	0.272	0.235	0.212	0.195	0.178	0.170	0.172	0.164	0.152	0.146
C90800	0.241	0.224	SPILLED	0.186	0.174	0.169	0.160	0.157	0.143	0.139
C90801	0.248	0.225	0.211	0.203	0.198	0.186	0.183	0.179	0.170	0.167
C90802	0.253	0.241	0.210	0.203	0.184	0.176	0.168	0.163	0.148	0.146
C90803	0.274	0.247	0.213	0.199	0.188	0.174	0.159	0.155	0.145	0.139
C90804	0.247	0.229	0.207	0.192	0.179	0.174	0.170	0.156	0.150	0.144
C90805	0.276	0.245	0.215	0.209	0.198	0.188	0.174	0.167	0.157	0.155
C90806	0.241	0.216	0.193	0.197	0.189	0.177	0.170	0.165	0.158	0.155
C90807	0.239	0.217	0.199	0.188	0.174	0.159	0.157	0.152	0.142	0.144
C90808	0.248	0.226	0.210	0.196	0.190	0.175	0.169	0.164	0.156	0.150
C90809	0.276	0.242	0.220	0.208	SPILLED	0.180	0.182	0.164	0.158	0.164
C90810	0.253	0.238	0.213	0.197	0.186	0.174	0.169	0.156	0.149	0.144
C90811	0.260	0.223	0.201	0.196	0.203	0.185	0.183	0.170	0.160	0.160

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 2 - 3 PPM										
C90812	0.249	0.221	0.199	0.185	0.169	0.163	0.160	0.154	0.149	0.137
C90813	0.249	0.220	0.203	0.189	0.184	0.175	0.169	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90814	0.242	0.221	0.205	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90815	0.260	0.237	0.215	0.197	0.186	0.177	0.174	0.165	0.157	0.154
C90816	0.239	0.208	0.186	0.188	0.174	0.167	0.166	0.156	0.156	0.152
C90817	0.247	0.215	0.196	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90818	0.262	0.251	0.216	0.207	0.200	0.194	SPILLED	0.178	SPILLED	0.181
C90819	0.256	0.231	0.211	0.188	0.177	0.175	0.164	0.157	0.146	0.140
C90820	0.244	0.211	0.201	0.185	0.178	0.164	0.162	0.151	0.146	0.143
C90821	0.259	0.224	0.201	0.191	0.175	0.171	0.162	0.154	0.144	0.140
C90822	0.246	0.227	0.210	0.195	0.181	0.173	0.174	0.163	0.156	0.151
C90823	0.255	0.225	0.203	0.198	0.184	0.174	0.177	0.171	0.165	0.165
C90824	0.296	0.248	0.230	0.199	0.181	0.182	0.173	0.166	0.151	0.144
C90825	0.255	0.236	0.225	0.204	0.190	0.179	0.170	0.159	0.155	0.150
C90826	0.306	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	0.191
C90827	0.257	0.236	0.215	0.198	0.187	0.175	0.170	0.158	0.152	0.144
C90828	0.275	0.255	0.231	0.221	0.199	0.195	0.181	0.182	0.175	0.171
C90829	0.274	0.248	0.216	0.200	0.185	0.172	0.171	0.161	0.153	0.142
C90830	0.261	0.240	0.221	0.203	0.196	0.176	0.166	0.164	0.155	0.148
C90831	0.250	0.232	0.207	0.196	0.185	0.175	0.175	0.173	0.163	0.151
C90832	0.268	0.244	0.222	0.210	0.190	0.177	0.177	0.162	0.151	0.146
C90833	0.272	0.257	0.247	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90834	0.257	0.234	0.208	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90835	0.251	0.228	0.202	0.196	0.190	0.177	0.195	0.171	0.171	0.155
C90836	0.266	0.223	0.199	0.202	0.193	0.182	0.177	0.168	0.158	0.155
C90837	0.274	0.240	0.221	0.210	0.194	0.190	0.178	0.169	0.158	0.150
C90838	0.251	0.223	0.198	0.189	0.181	0.170	0.166	0.155	0.153	0.147
C90839	0.249	0.223	0.203	0.194	0.184	0.175	0.166	0.163	0.153	0.144
C90840	0.266	0.239	0.216	0.201	0.191	0.178	0.174	0.166	0.157	0.148

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 3 - 30 PPM										
C90841	2.705	2.367	2.123	2.032	2.032	1.952	1.852	1.733	1.655	1.579
C90842	2.495	2.481	1.941	1.963	1.851	1.709	1.705	1.559	1.590	1.477
C90843	2.656	2.401	2.077	2.064	1.813	1.793	SPILLED	1.670	1.631	1.520
C90844	2.623	2.401	2.157	SPILLED	1.967	SPILLED	1.819	SPILLED	1.805	1.690
C90845	SPILLED	2.168	2.007	1.887	1.822	1.741	1.670	1.610	1.515	1.451
C90846	2.343	2.088	1.855	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90847	2.519	2.270	2.045	1.908	1.744	1.698	1.594	1.527	1.538	1.424
C90848	2.552	2.334	2.149	2.057	1.912	1.796	1.755	1.675	1.657	1.515
C90849	2.530	2.235	2.015	1.833	1.712	1.665	1.531	1.485	1.459	1.500
C90850	2.431	2.171	2.052	1.909	1.827	1.729	1.710	1.580	1.531	1.442
C90851	2.546	2.418	2.050	1.993	1.992	1.871	1.794	1.644	SPILLED	1.532
C90852	2.582	2.582	2.108	1.929	1.824	1.766	1.677	1.721	1.547	1.532
C90853	SPILLED	2.213	2.193	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90854	2.733	2.525	2.259	2.089	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	1.606
C90855	3.093	2.502	2.188	1.950	1.884	1.667	1.590	1.550	1.461	1.427
C90856	2.579	2.328	1.994	1.929	1.746	1.664	1.696	1.543	1.506	1.511
C90857	2.470	2.203	1.910	1.914	1.787	1.718	1.687	1.554	1.534	1.490
C90858	2.636	2.383	2.095	2.022	1.831	1.793	1.781	1.685	1.485	1.492
C90859	2.635	2.405	2.236	2.002	1.837	1.734	1.725	1.653	1.606	1.572
C90860	2.745	2.439	2.182	2.018	1.964	SPILLED	1.801	1.788	1.583	1.593
C90861	2.372	2.113	2.016	1.912	1.782	1.724	1.660	1.643	1.519	1.493
C90862	2.883	2.720	2.396	2.418	2.076	2.037	1.850	1.824	1.726	1.749
C90863	2.911	2.552	2.246	SPILLED	1.868	1.685	1.611	1.543	1.453	1.369
C90864	2.656	2.351	2.110	1.917	1.791	1.769	1.769	1.722	1.607	1.524
C90865	2.543	2.188	2.059	1.912	1.716	1.666	1.581	1.547	1.462	1.467
C90866	2.420	1.983	1.819	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90867	2.489	2.201	2.026	1.849	1.779	1.690	1.685	1.568	1.573	1.483
C90868	2.523	2.101	1.962	1.873	1.776	1.704	1.613	1.568	1.507	1.446
C90869	2.877	2.480	2.253	2.042	1.885	1.700	1.655	1.582	1.510	1.395
C90870	2.669	SPILLED	SPILLED	SPILLED	1.889	1.781	1.680	1.603	1.531	1.520
C90871	2.423	2.143	1.923	1.841	1.755	1.644	1.551	1.424	1.384	1.371

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 3 - 30 PPM										
C90872	2.263	SPILLED	1.905	1.836	1.742	1.710	1.622	1.547	1.497	1.406
C90873	2.380	2.087	1.909	1.881	1.817	1.735	1.653	1.526	1.576	1.506
C90874	2.447	2.143	1.949	1.837	1.694	1.604	1.520	1.489	1.438	1.396
C90875	2.639	2.307	2.137	1.934	1.860	1.724	1.634	1.594	1.606	1.447
C90876	2.715	2.287	2.106	1.826	1.680	1.525	1.574	1.517	1.542	1.452
C90877	2.451	2.160	2.018	1.942	1.846	1.692	1.658	1.608	1.380	1.560
C90878	2.609	2.361	2.153	2.165	2.033	1.916	1.852	1.833	1.710	1.634
C90879	2.731	2.234	2.152	2.000	1.799	1.674	1.701	1.648	1.613	1.548
C90880	2.672	2.336	2.161	1.903	1.817	1.714	1.679	1.626	1.584	1.478
C90881	2.637	2.332	2.126	1.984	1.833	1.661	1.635	1.535	1.535	1.456
C90882	2.551	2.223	2.042	1.924	1.855	1.788	1.709	1.649	1.589	1.532
C90883	2.699	2.577	2.171	SPILLED	2.138	1.999	SPILLED	1.863	1.798	1.810
C90884	2.777	2.399	2.244	1.926	1.812	1.742	1.714	1.686	1.584	1.641
C90885	2.743	2.327	2.101	1.851	1.731	1.589	1.616	1.542	1.433	1.412
C90886	2.751	2.522	2.115	2.060	2.028	1.835	1.769	1.731	1.637	1.525
C90887	2.522	2.219	2.026	1.865	1.794	1.653	1.646	1.634	1.544	1.517
C90888	2.378	2.102	1.944	1.858	1.730	1.585	1.598	1.534	1.470	1.431
C90889	2.628	2.243	2.033	1.761	1.697	1.610	1.591	1.560	1.408	1.358
C90890	2.654	2.335	2.109	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90891	2.646	2.410	2.129	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90892	2.487	2.169	2.058	1.964	1.943	1.789	1.783	1.747	1.676	1.612
C90893	2.933	2.543	2.310	2.114	2.012	1.888	1.850	1.785	1.652	1.573
C90894	2.704	2.327	2.055	1.981	1.918	1.793	1.796	1.647	1.577	1.490
C90895	3.101	2.843	2.453	2.094	2.233	1.878	1.872	1.828	1.897	1.709
C90896	2.818	SPILLED	SPILLED	SPILLED	1.854	1.777	SPILLED	1.581	SPILLED	1.864
C90897	2.531	2.280	2.062	1.917	1.854	1.694	1.686	1.585	1.500	1.398
C90898	2.540	2.267	2.025	1.876	1.820	1.673	1.726	1.639	1.507	1.482
C90899	2.615	2.358	2.113	1.949	1.849	1.725	1.816	1.731	1.640	1.509
C90900	2.606	2.253	2.070	1.919	1.778	1.656	1.661	1.690	1.570	1.492

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 4 - 100 PPM										
C90901	8.445	7.312	6.442	6.282	5.987	5.815	5.427	5.120	4.818	4.959
C90902	8.946	7.534	6.531	6.429	5.974	5.601	5.226	5.174	4.713	4.783
C90903	8.627	7.402	6.673	6.409	6.078	5.847	5.417	5.089	4.924	4.607
C90904	8.516	7.154	6.671	6.362	5.778	5.495	5.442	5.104	4.909	4.839
C90905	8.621	SPILLED	7.098	6.877	6.495	6.003	5.757	5.714	5.465	5.374
C90906	8.318	7.085	6.568	6.434	6.186	5.701	5.491	5.183	5.170	4.879
C90907	7.838	6.744	6.345	6.076	5.844	5.434	5.032	4.837	4.704	4.721
C90908	8.440	7.250	6.851	6.445	6.010	5.644	5.273	5.068	4.834	4.876
C90909	8.524	7.684	6.843	6.375	5.727	5.404	5.503	5.378	4.872	4.857
C90910	8.988	7.583	7.088	6.618	6.362	6.087	5.821	5.663	5.229	5.181
C90911	8.993	7.562	6.865	6.345	6.133	5.694	5.323	5.088	5.146	4.970
C90912	7.651	6.683	6.303	5.991	5.727	5.330	5.211	4.800	4.881	4.591
C90913	9.250	8.170	7.030	6.524	6.030	5.216	3.090	4.920	6.099	5.690
C90914	8.937	7.597	6.865	6.425	6.040	5.533	5.413	5.073	4.934	4.833
C90915	8.666	7.578	7.220	6.712	6.458	5.917	5.363	5.396	4.946	4.951
C90916	8.131	7.343	6.749	6.197	5.949	5.505	5.116	5.189	4.896	4.801
C90917	8.815	7.625	7.153	6.373	6.062	5.577	5.383	5.261	4.900	4.498
C90918	7.768	7.025	6.377	5.982	5.727	5.380	5.278	5.200	4.803	4.550
C90919	9.171	7.776	7.407	6.704	6.379	5.796	5.541	5.413	5.259	4.899
C90920	8.431	7.441	6.842	6.552	6.021	5.619	5.550	5.292	5.181	4.890
C90921	8.561	7.568	6.665	5.970	5.974	5.542	5.330	5.145	4.825	4.790
C90922	8.280	6.961	6.672	5.965	5.729	5.419	5.113	5.133	4.590	4.620
C90923	8.098	7.027	6.593	6.045	5.680	5.445	5.232	5.276	4.962	5.056
C90924	8.845	7.758	7.353	6.623	6.345	5.842	5.880	5.623	5.106	5.161
C90925	8.640	SPILLED	6.936	6.245	5.848	5.630	5.316	5.384	4.976	4.989
C90926	8.212	7.664	7.048	6.412	6.083	5.634	5.422	5.273	4.867	4.641
C90927	9.193	8.157	7.213	6.740	6.308	5.857	5.601	5.306	4.963	4.666
C90928	7.975	7.073	6.597	6.125	5.685	5.370	5.216	4.966	4.673	4.587
C90929	8.733	8.026	6.868	6.577	6.274	5.896	5.575	5.679	5.480	5.338
C90930	9.311	7.726	6.946	6.452	5.474	5.932	5.766	5.602	5.458	5.396
C90931	7.917	6.756	6.385	6.424	6.108	5.863	5.377	5.142	4.928	4.629

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 4 - 100 PPM										
C90932	8.973	7.469	7.097	6.497	5.838	5.934	5.760	5.612	5.233	5.050
C90933	9.104	7.807	7.171	6.806	6.281	5.935	5.702	5.503	5.019	4.969
C90934	8.719	7.526	6.774	6.192	6.131	5.743	5.353	5.201	5.642	5.329
C90935	8.553	7.328	6.585	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90936	9.524	7.897	7.399	6.137	6.408	6.143	5.905	5.760	5.369	5.234
C90937	9.069	9.570	6.939	6.634	5.570	6.353	5.628	5.177	SPILLED	5.260
C90938	9.305	8.163	7.477	7.015	6.443	6.128	6.028	5.874	5.514	5.207
C90939	8.858	7.501	6.947	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90940	9.250	7.391	6.945	6.510	6.046	5.691	5.515	5.478	5.147	4.766
C90941	9.975	7.613	7.055	SPILLED	6.312	5.770	5.672	5.348	4.901	4.950
C90942	8.775	7.681	6.849	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90943	SPILLED	8.011	SPILLED	SPILLED	7.161	SPILLED	6.195	5.740	5.290	5.862
C90944	8.291	7.314	6.812	6.213	5.690	5.487	5.369	5.406	5.145	4.823
C90945	8.292	7.342	6.633	6.208	5.812	5.427	5.333	5.177	4.875	4.543
C90946	8.392	6.955	SPILLED	6.122	5.907	5.488	5.138	5.008	4.492	4.674
C90947	8.220	7.199	6.672	6.231	5.858	5.653	5.351	5.071	5.044	4.970
C90948	10.399	7.687	6.901	6.530	6.286	6.008	5.814	5.708	5.328	4.997
C90949	10.628	8.039	6.997	6.288	6.622	5.571	5.155	5.874	5.273	4.351
C90950	8.780	7.559	6.883	6.094	5.708	5.605	5.517	5.389	4.786	4.743
C90951	8.129	7.143	6.379	5.403	5.742	5.635	5.510	5.438	4.887	4.870
C90952	9.089	7.828	7.204	6.427	5.762	5.341	5.220	5.128	4.637	4.467
C90953	8.148	7.131	6.653	6.378	5.756	5.495	5.337	5.228	4.887	4.620
C90954	9.563	8.106	7.556	6.565	6.379	5.934	5.919	5.809	5.180	4.848
C90955	9.058	7.777	7.152	6.410	5.961	5.322	5.252	5.127	5.005	4.934
C90956	8.418	7.099	6.545	6.091	5.809	5.531	5.425	5.308	4.800	3.184
C90957	8.783	7.635	6.959	6.649	6.299	5.919	4.571	5.523	5.423	5.014
C90958	8.625	7.100	6.534	6.313	6.135	5.676	5.155	5.198	4.613	4.513
C90959	8.603	7.499	6.918	6.198	5.978	5.701	5.548	5.420	4.885	4.878
C90960	9.006	8.770	7.112	6.669	6.369	5.907	6.218	5.480	4.991	4.898
C90961	8.911	7.719	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90962	9.060	7.807	6.937	6.620	6.204	5.825	5.460	5.418	4.981	4.876

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 4 - 100 PPM										
C90963	8.353	7.164	6.681	6.244	5.955	5.485	5.406	5.164	4.826	4.691
C90964	9.111	7.924	7.117	6.401	6.118	5.653	5.402	5.117	4.867	4.717
C90965	9.543	8.321	7.675	7.035	6.354	5.989	5.016	5.504	5.172	4.934
C90966	8.157	7.359	6.637	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90967	8.070	7.226	6.505	6.479	6.285	5.924	5.390	5.232	4.894	4.732
C90968	8.350	7.389	6.604	6.637	6.211	5.948	5.633	5.383	4.935	4.716
C90969	8.542	7.477	6.611	6.276	5.943	5.727	5.353	5.578	5.182	5.319
C90970	8.484	7.215	6.753	6.791	6.564	5.685	SPILLED	5.488	5.234	5.044
GROUP: MALE 5 - 300 PPM										
C90971	24.897	19.850	18.417	18.157	17.300	18.141	17.113	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90972	20.706	18.227	17.651	16.301	14.907	14.198	14.701	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90973	24.808	21.264	18.980	18.088	18.068	17.016	15.594	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90974	25.267	20.896	18.554	17.883	16.338	15.729	15.184	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90975	26.653	23.673	21.984	19.486	18.949	18.666	18.575	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90976	27.721	21.962	19.378	18.348	16.706	15.731	15.783	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90977	25.432	20.537	19.657	17.348	SPILLED	SPILLED	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90978	24.512	21.359	SPILLED	17.554	16.515	15.233	14.844	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90979	23.634	20.679	18.023	16.619	16.667	15.332	16.064	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90980	27.166	23.140	21.085	19.545	18.886	17.486	17.354	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90981	26.854	22.885	20.190	18.255	18.027	16.853	16.187	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90982	24.967	22.093	19.887	17.681	16.183	16.610	15.229	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90983	25.557	26.346	21.556	19.286	17.431	17.512	17.113	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90984	24.262	20.370	19.102	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90985	25.895	22.768	19.017	17.683	17.376	16.158	16.493	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90986	24.342	21.695	19.075	19.035	SPILLED	16.024	15.672	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90987	24.055	20.428	17.787	16.680	16.122	15.636	16.051	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90988	33.527	24.531	21.156	17.620	SPILLED	SPILLED	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90989	25.567	21.526	19.114	17.543	16.327	15.126	15.236	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90990	24.296	21.635	20.566	17.918	17.722	17.032	16.271	NOT TAKEN	NOT TAKEN	NOT TAKEN

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 5 - 300 PPM										
C90991	25.091	21.903	19.325	19.007	16.586	15.869	16.146	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90992	24.000	20.421	18.058	15.966	15.355	15.674	15.276	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90993	24.047	20.759	19.402	17.694	17.316	15.831	15.120	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90994	24.103	20.297	18.769	17.664	16.475	16.136	15.566	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90995	24.685	EXCLUDE	19.839	17.982	17.395	15.504	16.065	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90996	24.470	20.414	17.940	16.719	15.702	15.527	15.453	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90997	24.576	21.152	18.367	17.421	16.924	16.860	16.404	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90998	23.800	21.504	20.152	18.990	18.815	18.649	18.098	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90999	23.363	20.104	18.340	16.586	15.847	15.106	15.275	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91000	26.094	21.653	19.205	17.603	18.031	16.474	15.983	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91001	24.759	21.075	19.572	19.242	17.692	17.741	16.246	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91002	23.361	20.249	18.609	17.813	16.649	16.709	16.064	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91003	24.675	20.092	18.059	17.632	15.663	15.736	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91004	29.210	SPILLED	19.770	18.690	SPILLED	17.679	16.974	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91005	31.440	23.498	21.838	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91006	24.370	21.390	19.112	17.590	17.470	16.873	15.150	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91007	24.854	22.391	20.145	19.171	18.418	18.237	17.187	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91008	SPILLED	27.505	24.595	SPILLED	SPILLED	SPILLED	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91009	25.700	23.245	18.742	16.437	16.332	16.841	16.185	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91010	25.794	22.533	20.023	NOT TAKEN	EXCLUDE	16.792	16.722	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91011	26.590	22.681	20.694	18.955	17.545	16.210	15.982	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91012	24.272	20.430	18.953	17.517	16.784	15.119	15.652	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91013	25.304	22.262	20.540	17.955	17.453	16.583	17.065	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91014	26.774	25.779	21.651	SPILLED	18.142	17.421	17.167	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91015	24.832	21.395	20.042	17.842	17.514	16.741	16.906	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91016	23.935	20.695	19.002	17.666	16.841	15.584	16.146	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91017	23.826	19.674	17.819	17.847	17.046	16.079	16.152	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91018	25.210	21.181	18.997	16.951	16.511	15.120	14.570	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91019	27.995	23.505	20.433	18.872	18.275	17.691	16.162	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91020	27.327	23.083	SPILLED	19.242	18.860	18.331	17.366	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91021	24.057	22.342	19.996	19.008	17.500	16.625	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 5 - 300 PPM										
C91022	24.975	21.691	19.021	18.782	17.488	16.811	16.115	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91023	25.810	22.175	20.039	19.355	17.664	17.618	16.307	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91024	25.887	22.316	19.305	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91025	NOT TAKEN	21.486	19.177	17.103	16.336	15.949	14.998	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91026	24.031	20.201	SPILLED	17.513	17.120	16.289	16.092	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91027	24.490	21.664	19.143	18.750	17.040	16.546	15.112	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91028	24.905	20.620	18.429	18.401	17.448	16.000	15.548	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91029	24.653	21.502	18.699	18.423	17.017	17.192	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91030	26.674	23.060	20.294	19.867	17.989	18.104	17.638	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91031	22.800	20.615	18.678	18.001	16.105	15.990	13.825	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91032	27.968	23.377	20.546	18.918	18.890	17.558	15.668	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91033	24.734	21.289	19.163	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91034	27.086	22.295	20.647	19.790	18.639	17.691	16.364	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91035	26.294	21.801	19.245	18.559	18.801	17.650	16.504	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91036	23.688	18.583	19.123	17.298	16.421	15.617	15.105	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91037	24.695	21.202	18.727	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91038	29.116	20.652	18.852	18.283	16.827	16.374	15.214	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91039	26.418	22.697	19.923	19.505	18.763	16.571	14.954	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91040	24.899	21.705	20.530	19.304	18.739	17.522	17.406	NOT TAKEN	NOT TAKEN	NOT TAKEN
GROUP: MALE 6 - 100 PPM										
C91041	8.997	7.508	6.757	6.271	5.864	5.603	5.259	5.144	5.004	4.775
C91042	9.153	7.721	7.090	6.529	6.117	5.887	5.490	5.315	5.300	5.393
C91043	8.759	7.504	7.036	6.843	6.341	6.223	5.870	5.883	5.426	5.401
C91044	8.618	7.177	6.884	6.716	6.286	5.958	5.636	5.519	5.086	5.329
C91045	9.329	7.889	7.192	6.868	6.200	5.968	5.374	5.007	4.858	4.690
C91046	9.105	7.625	7.003	6.337	6.147	4.511	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91047	8.949	7.980	7.188	6.701	6.068	5.920	5.573	3.410	4.936	5.353
C91048	8.178	7.333	6.497	6.077	5.843	5.999	5.570	5.569	5.493	5.368
C91049	9.269	7.972	7.114	6.639	6.166	5.941	5.685	5.614	5.411	5.166

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 6 - 100 PPM										
C91050	9.707	8.232	7.845	7.446	6.624	6.441	5.862	5.867	4.909	5.064
C91051	8.865	7.563	7.183	6.703	6.244	5.843	5.665	5.556	5.590	5.489
C91052	9.218	9.125	7.354	7.093	SPILLED	6.100	5.781	5.645	5.854	5.190
C91053	SPILLED	8.245	6.799	6.210	5.808	5.596	6.011	SPILLED	4.961	4.808
C91054	9.401	8.106	7.202	6.682	6.211	5.702	5.487	5.324	4.856	4.510
C91055	9.159	7.777	7.095	6.826	6.197	5.831	5.621	5.490	5.023	4.937
C91056	8.530	7.589	6.730	6.511	5.900	5.550	5.231	3.941	5.666	5.510
C91057	7.952	7.101	6.332	6.120	5.721	5.471	5.172	5.128	4.786	4.613
C91058	8.715	7.369	6.596	6.398	5.850	5.675	5.100	4.982	4.651	4.308
C91059	8.498	7.392	6.839	6.593	6.295	5.819	5.519	5.429	5.075	5.020
C91060	11.011	SPILLED	7.166	6.994	6.765	6.391	6.178	5.996	5.529	5.507
C91061	8.030	7.208	6.621	6.164	5.789	5.430	5.305	5.200	5.005	4.873
C91062	9.093	9.200	7.369	6.783	6.397	6.031	5.766	5.489	5.152	4.820
C91063	9.421	8.501	7.361	6.580	6.613	6.036	5.520	5.602	4.971	4.786
C91064	8.432	7.262	6.894	6.648	6.429	5.850	5.564	5.328	4.913	4.841
C91065	9.376	8.025	7.328	6.812	6.482	6.203	5.803	5.517	5.183	4.977
C91066	8.317	7.369	6.764	6.115	5.895	5.407	5.400	5.448	5.040	4.936
C91067	8.673	7.521	6.860	6.341	5.945	5.801	5.536	5.399	5.085	4.872
C91068	8.925	7.453	6.474	5.808	5.408	4.693	4.892	4.607	1.897	2.659
C91069	9.597	8.123	7.346	6.599	6.494	6.326	5.976	5.943	5.465	5.216
C91070	8.287	7.098	6.708	6.366	5.952	5.631	5.418	5.242	5.007	4.868
C91071	8.553	7.603	6.923	6.424	6.038	5.726	5.354	5.283	5.054	4.877
C91072	9.016	7.838	7.244	6.552	6.081	5.811	5.578	5.398	5.054	4.900
C91073	8.163	7.253	6.649	5.921	5.721	5.445	5.153	5.139	4.699	4.819
C91074	9.058	7.713	7.099	6.687	6.112	5.781	5.587	5.260	5.026	4.832
C91075	9.149	8.357	7.880	7.065	7.152	6.314	6.091	5.817	5.351	5.340
C91076	8.212	7.197	6.669	6.088	5.679	4.542	4.713	5.660	5.317	5.135
C91077	8.939	7.717	7.132	6.566	6.263	5.961	5.769	5.410	5.252	5.031
C91078	8.432	7.225	6.646	6.206	5.685	5.355	4.988	4.827	4.511	4.478
C91079	8.316	7.350	6.828	6.547	6.197	5.912	5.677	5.365	4.941	4.833
C91080	8.626	7.342	6.828	6.497	6.289	5.867	5.734	5.592	5.353	5.140

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 7 - 300 PPM										
C91081	SPILLED	22.053	19.728	23.859	17.552	16.568	15.746	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91082	24.176	20.510	18.418	17.062	16.544	15.365	15.449	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91083	25.378	21.467	19.613	18.407	17.775	18.139	17.093	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91084	23.153	20.045	17.937	16.706	16.698	16.349	16.188	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91085	SPILLED	23.239	20.160	19.770	16.881	15.467	13.984	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91086	23.981	20.583	19.991	18.553	17.498	16.278	15.424	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91087	25.314	21.680	18.358	16.866	16.117	14.870	14.625	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91088	24.697	21.978	20.311	18.595	16.848	15.882	15.563	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91089	27.211	22.983	20.408	19.188	18.398	18.034	16.327	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91090	22.989	21.601	19.452	17.710	17.481	16.446	16.786	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91091	24.880	21.429	19.226	19.103	17.808	16.426	15.667	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91092	25.369	20.893	18.719	17.900	16.358	16.552	14.934	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91093	23.870	20.168	18.803	14.074	18.185	17.824	16.685	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91094	25.200	21.129	18.597	16.770	16.598	16.889	15.841	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91095	24.320	20.041	SPILLED	18.618	18.175	17.734	15.807	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91096	22.812	20.658	18.459	17.170	17.168	16.173	15.407	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91097	25.730	20.816	18.694	17.191	16.568	15.625	15.158	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91098	23.754	20.739	19.323	18.057	17.188	16.140	15.964	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91099	25.866	20.438	19.495	21.504	16.789	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91100	25.525	22.153	19.643	18.656	17.267	16.186	16.298	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91101	23.983	20.530	18.850	18.527	16.930	17.040	17.523	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91102	25.040	27.843	20.849	18.617	19.103	18.780	17.143	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91103	26.267	21.974	20.401	19.226	18.423	17.799	16.432	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91104	26.748	24.620	21.304	19.048	18.833	17.863	16.892	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91105	24.207	22.452	18.158	16.912	16.650	16.707	16.479	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91106	23.629	20.515	18.386	15.451	17.689	16.229	16.725	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91107	25.787	21.995	19.521	18.455	17.506	16.967	16.309	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91108	27.042	23.579	21.258	19.585	17.912	17.535	16.765	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91109	26.087	23.252	20.085	18.616	17.831	18.279	16.184	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91110	26.204	22.254	21.131	18.650	18.175	17.574	15.988	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91111	24.901	21.466	19.391	17.996	17.695	17.812	17.304	NOT TAKEN	NOT TAKEN	NOT TAKEN

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 7 - 300 PPM										
C91112	26.190	22.487	20.140	18.599	17.955	17.081	16.464	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91113	26.503	21.467	19.847	17.586	16.603	15.572	17.062	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91114	25.605	21.087	19.237	16.631	16.633	16.034	15.029	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91115	25.227	21.971	20.285	18.399	16.637	16.775	15.873	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91116	23.390	19.972	18.201	16.450	16.881	15.899	18.320	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91117	27.090	SPILLED	SPILLED	21.853	SPILLED	18.449	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91118	26.607	21.872	20.018	18.269	17.640	18.319	15.177	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91119	25.788	22.338	20.106	18.297	17.921	17.182	16.327	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91120	26.823	22.313	20.741	18.855	18.274	14.926	3.588	NOT TAKEN	NOT TAKEN	NOT TAKEN
GROUP: FEMALE 2 - 3 PPM										
C91191	0.264	0.249	0.227	0.223	0.232	0.205	0.232	0.212	0.204	0.190
C91192	0.319	0.285	0.254	0.284	0.232	0.255	0.225	0.237	0.213	0.202
C91193	SPILLED	SPILLED	0.565	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	0.258
C91194	0.277	0.257	0.250	0.235	0.237	0.245	0.231	0.213	0.214	0.210
C91195	0.306	0.291	0.263	0.248	0.227	0.234	0.235	0.208	0.188	0.192
C91196	0.280	0.279	0.265	0.228	0.214	0.204	0.209	0.185	0.169	0.167
C91197	0.312	0.297	0.270	0.291	0.293	SPILLED	SPILLED	0.221	0.229	0.271
C91198	0.276	0.243	0.247	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91199	0.381	0.353	0.298	SPILLED	0.310	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C91200	0.283	0.269	0.291	0.337	0.256	0.233	0.194	0.225	0.228	0.241
C91201	0.269	SPILLED	0.246	0.271	0.227	0.279	0.215	SPILLED	0.180	0.199
C91202	0.275	0.265	0.238	0.240	0.208	0.193	0.185	0.175	0.168	0.167
C91203	0.308	0.297	0.281	0.270	0.246	0.219	0.202	0.197	0.174	0.168
C91204	0.304	0.281	0.266	0.258	0.252	0.261	0.235	0.282	0.210	0.234
C91205	0.325	0.307	0.298	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91206	SPILLED	0.262	0.244	0.229	0.226	0.216	0.213	0.204	0.188	0.194
C91207	0.306	0.274	0.238	0.263	0.245	0.235	0.233	0.225	0.213	0.198
C91208	0.294	0.268	0.241	SPILLED	0.232	0.233	0.213	SPILLED	0.194	0.214
C91209	0.267	0.244	0.239	0.216	0.206	0.208	0.196	0.198	0.183	0.188

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 2 - 3 PPM										
C91210	0.453	0.337	0.323	SPILLED	SPILLED	SPILLED	0.245	SPILLED	SPILLED	SPILLED
C91211	0.289	0.272	0.241	0.243	SPILLED	0.306	0.209	0.196	0.190	0.184
C91212	0.270	0.250	0.242	0.235	SPILLED	0.212	0.205	0.195	0.175	0.181
C91213	0.287	0.286	0.263	0.248	0.224	0.219	0.221	0.209	0.197	0.194
C91214	0.329	0.301	0.272	0.245	0.243	0.234	0.219	0.217	0.197	0.188
C91215	0.292	0.268	0.254	0.233	0.215	0.224	0.206	0.213	0.200	0.188
C91216	0.301	SPILLED	SPILLED	SPILLED	SPILLED	0.270	SPILLED	SPILLED	SPILLED	SPILLED
C91217	0.274	0.267	0.255	0.256	0.235	0.230	0.241	0.218	0.202	0.200
C91218	0.277	0.341	SPILLED	SPILLED	0.262	SPILLED	0.256	0.317	0.285	SPILLED
C91219	0.327	0.296	0.270	SPILLED	0.301	SPILLED	SPILLED	0.329	SPILLED	SPILLED
C91220	0.299	0.289	0.264	0.234	0.221	0.217	0.188	0.194	0.175	0.174
C91221	0.320	0.291	0.261	0.245	0.233	0.266	SPILLED	0.228	0.213	0.195
C91222	0.299	0.278	0.251	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91223	0.275	0.254	0.262	0.259	0.252	0.232	0.223	0.229	0.203	0.201
C91224	0.408	0.388	0.278	SPILLED	0.274	0.249	0.258	SPILLED	0.221	0.221
C91225	0.326	0.277	0.285	0.202	0.220	0.217	0.216	0.162	0.174	0.196
C91226	0.259	0.251	0.247	0.216	0.229	0.225	0.220	0.217	0.205	0.193
C91227	SPILLED	0.241	SPILLED	SPILLED	SPILLED	0.205	0.222	0.195	0.176	0.175
C91228	0.296	0.263	0.234	0.283	0.249	0.226	0.216	0.222	0.200	0.192
C91229	0.295	0.294	0.260	0.237	0.223	0.208	0.192	0.200	0.178	0.170
C91230	0.325	0.297	0.275	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91231	0.303	0.286	0.260	SPILLED	0.220	0.236	0.195	0.194	0.181	0.179
C91232	0.291	0.281	0.248	0.262	0.212	0.213	0.215	0.211	0.198	0.186
C91233	0.282	0.258	0.242	0.265	0.240	0.238	0.223	0.232	0.196	0.184
C91234	0.278	0.279	0.252	0.235	0.226	0.218	0.193	0.191	0.193	0.175
C91235	0.346	SPILLED	0.410	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	0.313	SPILLED
C91236	0.316	0.289	0.286	0.254	0.248	0.302	SPILLED	0.229	0.193	0.199
C91237	0.374	0.336	0.273	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91238	0.294	0.271	0.244	0.237	0.221	0.225	0.224	0.195	0.190	0.185
C91239	0.283	0.254	0.267	0.242	0.230	0.228	0.221	0.206	0.185	0.187
C91240	0.312	0.248	0.256	0.231	0.224	0.217	0.222	0.206	0.198	0.183

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 2 - 3 PPM										
C91241	0.300	0.274	0.247	0.252	0.233	SPILLED	0.216	0.312	0.188	SPILLED
C91242	SPILLED	0.371	SPILLED	0.384	SPILLED	SPILLED	SPILLED	0.300	SPILLED	SPILLED
C91243	0.320	0.330	0.311	SPILLED	0.271	SPILLED	0.227	SPILLED	0.240	0.271
C91244	0.287	0.271	0.258	0.239	0.223	0.228	0.231	0.213	0.177	0.189
C91245	0.344	0.342	0.341	0.369	0.256	0.295	SPILLED	0.258	0.271	SPILLED
C91246	0.394	0.332	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C91247	0.307	0.296	SPILLED	0.260	0.263	0.271	0.270	0.292	SPILLED	SPILLED
C91248	0.289	0.266	0.238	0.233	0.218	0.209	0.217	0.202	0.176	0.185
C91249	0.313	SPILLED	0.259	0.336	0.252	SPILLED	0.230	0.229	0.199	0.201
C91250	0.308	0.274	SPILLED	0.237	0.238	SPILLED	0.213	0.321	0.188	0.276
GROUP: FEMALE 3 - 30 PPM										
C91251	2.525	2.301	2.263	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91252	2.988	2.709	2.503	2.391	2.387	2.236	2.115	2.323	2.129	1.944
C91253	2.816	2.783	2.319	2.536	2.336	2.315	2.002	2.275	1.964	2.019
C91254	3.093	2.938	2.679	2.555	2.571	2.468	2.313	2.325	2.003	2.121
C91255	2.807	2.777	2.632	3.030	2.605	2.830	2.463	2.535	2.374	2.257
C91256	3.358	2.608	SPILLED	2.573	2.521	2.242	2.118	2.172	2.068	1.818
C91257	2.507	2.487	2.700	SPILLED	2.035	2.067	1.833	1.987	1.681	SPILLED
C91258	2.980	2.907	2.583	2.234	2.391	2.261	2.008	2.055	1.980	1.886
C91259	3.960	SPILLED	2.561	2.522	2.277	2.160	2.105	2.224	2.052	2.008
C91260	2.822	2.651	2.371	2.273	2.275	2.194	2.028	1.717	1.895	1.987
C91261	2.796	2.542	SPILLED	2.688	2.359	2.355	2.298	2.488	2.199	1.751
C91262	SPILLED	2.452	2.260	2.400	2.060	1.987	1.909	2.309	1.825	1.695
C91263	3.053	2.703	2.642	2.446	2.258	2.177	1.969	2.078	2.065	1.889
C91264	3.009	2.772	SPILLED	2.500	2.329	2.201	2.027	2.043	1.964	1.815
C91265	2.903	2.605	2.318	2.778	3.310	2.130	2.176	2.050	1.850	SPILLED
C91266	3.167	2.885	2.650	2.692	2.546	2.571	2.143	2.071	2.049	1.888
C91267	3.068	2.776	2.571	2.512	2.312	2.262	2.067	2.128	1.939	1.815
C91268	3.057	SPILLED	2.403	2.458	2.309	2.129	1.919	1.871	1.866	1.811

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 3 - 30 PPM										
C91269	2.973	2.796	2.399	2.459	2.440	2.119	2.186	SPILLED	2.092	1.959
C91270	3.514	3.012	2.888	2.669	2.551	2.468	2.288	2.268	2.078	1.997
C91271	3.052	SPILLED	2.555	SPILLED	3.472	2.831	SPILLED	SPILLED	2.143	SPILLED
C91272	3.150	2.911	2.383	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91273	SPILLED	3.565	SPILLED	3.659	2.889	SPILLED	SPILLED	2.525	SPILLED	2.345
C91274	2.781	2.674	2.359	SPILLED	SPILLED	SPILLED	2.120	SPILLED	SPILLED	2.526
C91275	2.976	2.921	2.517	2.482	2.620	2.219	2.193	SPILLED	SPILLED	2.211
C91276	2.785	2.626	2.558	2.398	2.208	2.211	2.269	2.111	2.016	1.967
C91277	2.930	2.643	2.434	2.128	2.366	2.286	2.090	1.993	1.788	1.837
C91278	2.896	SPILLED	SPILLED	2.550	2.488	SPILLED	2.151	SPILLED	1.795	2.085
C91279	3.411	3.617	SPILLED	2.586	2.335	2.445	2.282	2.010	1.939	2.037
C91280	3.176	2.835	2.628	2.460	2.343	2.143	2.155	2.070	2.111	1.942
C91281	2.799	2.821	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C91282	3.190	2.857	2.807	2.662	2.700	2.571	2.358	2.182	2.184	2.025
C91283	3.188	2.872	2.708	2.465	2.426	2.461	2.135	1.940	2.057	1.993
C91284	3.227	2.965	2.825	2.729	2.538	2.383	2.118	SPILLED	2.112	1.952
C91285	2.542	2.297	2.071	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91286	2.637	2.474	2.452	2.650	2.508	SPILLED	2.921	2.284	2.250	2.202
C91287	4.219	2.634	3.033	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91288	2.574	2.350	2.179	2.036	2.052	1.830	1.746	1.762	1.708	1.599
C91289	SPILLED	2.945	SPILLED	2.449	2.382	2.220	2.076	2.151	1.843	1.937
C91290	2.774	2.434	2.346	2.322	2.042	2.022	2.184	2.018	1.915	1.733
C91291	3.136	2.614	2.432	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91292	2.841	2.647	2.556	2.618	2.214	2.039	2.010	2.088	1.815	1.791
C91293	3.522	4.044	3.111	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	1.901	SPILLED
C91294	3.183	2.864	2.571	2.545	2.341	2.100	2.080	SPILLED	1.908	1.960
C91295	3.056	3.433	3.688	SPILLED	2.870	SPILLED	2.400	3.819	2.386	2.155
C91296	2.608	SPILLED	SPILLED	2.580	2.262	2.262	2.167	2.355	SPILLED	2.053
C91297	4.201	SPILLED	SPILLED	2.441	2.621	2.680	2.719	2.188	SPILLED	3.000
C91298	2.924	2.523	2.297	2.429	2.369	2.123	1.979	2.036	1.967	1.864
C91299	SPILLED	SPILLED	2.588	2.547	2.365	2.403	2.163	2.128	1.920	2.054

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP:	FEMALE 3 - 30 PPM									
C91300	4.247	SPILLED	3.823	SPILLED	SPILLED	3.436	2.818	3.680	SPILLED	SPILLED
C91301	3.110	2.720	2.710	2.449	2.352	2.299	2.147	2.220	2.053	2.095
C91302	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	2.207	SPILLED	1.795	SPILLED
C91303	2.966	2.788	2.571	2.469	2.204	2.104	2.008	1.826	1.695	1.871
C91304	3.264	2.877	2.593	2.504	2.503	SPILLED	2.309	2.380	2.005	2.038
C91305	3.069	2.777	2.525	2.742	2.660	2.349	2.325	2.360	2.101	2.136
C91306	SPILLED	SPILLED	2.857	SPILLED	2.293	SPILLED	SPILLED	SPILLED	1.972	1.915
C91307	2.842	2.757	2.454	2.584	2.237	2.271	1.968	2.490	1.802	1.735
C91308	3.051	2.850	2.741	2.673	2.522	2.665	2.553	2.621	2.832	SPILLED
C91309	3.010	2.772	2.594	2.412	2.437	2.282	2.275	2.058	1.965	1.949
C91310	3.027	2.760	2.420	2.542	2.609	2.235	2.249	2.202	2.280	2.017
GROUP:	FEMALE 4 - 100 PPM									
C91311	9.075	10.540	SPILLED	9.705	SPILLED	10.039	7.243	7.685	SPILLED	6.682
C91312	8.684	8.337	7.351	7.614	7.038	6.604	6.563	6.769	6.608	6.198
C91313	10.671	11.006	SPILLED	8.513	SPILLED	SPILLED	7.099	8.503	7.296	SPILLED
C91314	9.784	9.785	9.134	8.850	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C91315	10.365	SPILLED	9.315	8.355	8.122	8.304	8.163	7.995	7.729	7.603
C91316	SPILLED	SPILLED	9.335	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91317	9.632	8.693	7.961	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91318	11.044	10.967	9.746	SPILLED	6.897	6.469	6.329	6.369	5.957	5.426
C91319	11.913	10.661	8.914	9.501	8.430	8.207	7.337	7.158	6.899	6.789
C91320	9.928	SPILLED	SPILLED	9.259	7.992	7.021	6.823	6.701	6.389	6.467
C91321	10.174	10.106	9.005	11.894	8.442	SPILLED	7.478	SPILLED	7.061	6.676
C91322	9.824	9.574	SPILLED	9.012	8.307	8.443	7.317	7.649	7.336	6.681
C91323	9.605	8.386	SPILLED	7.822	SPILLED	8.436	SPILLED	7.259	6.665	6.501
C91324	10.074	8.909	8.143	8.317	7.379	7.235	7.281	7.278	6.620	6.151
C91325	8.376	7.431	7.295	7.143	6.342	6.336	6.143	6.167	5.992	5.419
C91326	10.141	8.489	9.467	9.027	8.153	7.766	8.173	7.412	6.730	6.671
C91327	9.726	8.627	8.070	7.774	8.682	7.080	7.049	7.143	6.553	6.531

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 4 - 100 PPM										
C91328	10.561	9.228	7.849	8.163	7.300	6.701	6.507	6.554	6.275	6.001
C91329	10.488	9.470	8.740	9.069	7.567	7.284	6.975	6.905	6.349	6.184
C91330	9.524	8.517	8.265	7.877	6.996	7.334	6.617	6.598	6.434	6.196
C91331	10.832	9.140	9.363	8.571	8.349	7.744	7.255	7.280	6.710	6.958
C91332	SPILLED	9.654	9.594	8.658	8.411	7.424	6.973	8.905	7.735	6.466
C91333	9.324	9.159	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91334	10.813	9.422	8.565	7.734	7.067	7.012	6.529	6.349	5.802	5.975
C91335	9.846	9.073	8.601	7.587	7.192	7.542	6.973	6.932	6.862	6.531
C91336	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	16.507	10.286
C91337	9.030	7.677	7.081	7.634	6.853	6.757	6.262	6.634	5.887	6.094
C91338	14.148	SPILLED	10.851	9.790	7.212	7.412	7.358	6.746	5.781	6.609
C91339	9.945	8.656	8.571	8.350	7.206	7.338	6.494	7.114	6.130	6.059
C91340	10.695	9.882	8.947	SPILLED	8.163	7.407	6.676	6.478	6.061	5.810
C91341	9.680	8.378	8.388	7.903	7.157	6.906	6.415	6.367	5.982	5.940
C91342	10.016	8.204	7.291	7.222	7.586	6.775	7.128	7.057	7.058	6.392
C91343	10.405	9.423	7.862	7.963	7.734	7.787	6.980	6.706	6.767	6.478
C91344	8.571	7.705	7.255	7.189	6.674	6.252	6.611	6.103	6.166	6.064
C91345	SPILLED	8.665	7.877	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91346	SPILLED	10.330	8.506	8.414	7.657	7.226	7.210	6.859	6.429	6.489
C91347	SPILLED	SPILLED	SPILLED	SPILLED	7.038	6.892	6.647	6.756	6.202	6.038
C91348	10.428	8.990	8.383	7.976	7.143	7.127	6.820	6.105	6.070	6.477
C91349	SPILLED	8.929	8.096	7.816	7.975	7.023	6.643	7.085	7.537	6.185
C91350	SPILLED	SPILLED	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91351	9.003	8.781	7.499	7.436	6.975	7.566	6.699	6.559	6.526	6.095
C91352	9.744	8.295	8.043	7.578	7.075	7.338	6.690	6.168	5.950	5.802
C91353	9.909	9.197	7.836	7.966	7.615	6.832	7.437	6.809	6.709	6.621
C91354	11.379	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	6.149	6.389	5.750	5.893
C91355	11.264	11.251	9.104	9.432	8.237	7.561	7.430	7.654	7.664	7.630
C91356	10.724	9.689	8.969	9.856	SPILLED	7.418	7.279	SPILLED	6.418	6.130
C91357	8.946	7.979	7.857	7.199	6.752	6.458	6.449	6.267	5.871	5.559
C91358	6.524	8.980	8.022	7.792	7.308	6.719	6.748	6.798	6.984	6.637

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 4 - 100 PPM										
C91359	11.650	SPILLED	9.219	8.466	7.798	7.891	8.584	SPILLED	SPILLED	SPILLED
C91360	10.494	10.382	SPILLED	8.112	7.074	7.360	6.865	6.842	6.531	6.877
C91361	SPILLED	8.780	7.602	7.367	6.784	6.641	6.029	5.209	6.009	6.026
C91362	10.767	12.662	11.638	SPILLED	SPILLED	SPILLED	8.453	SPILLED	6.209	SPILLED
C91363	10.824	9.852	8.940	8.618	7.129	7.671	7.143	7.247	6.470	6.218
C91364	10.714	10.504	8.856	8.429	7.427	6.965	6.095	6.294	5.811	5.822
C91365	SPILLED	10.870	SPILLED	SPILLED	SPILLED	8.163	7.728	9.201	SPILLED	SPILLED
C91366	9.952	8.079	8.399	8.010	7.143	7.615	6.862	6.874	6.209	5.450
C91367	10.884	9.353	8.372	7.198	7.237	7.417	6.292	7.130	5.804	5.979
C91368	11.052	11.843	SPILLED	10.575	9.039	7.281	7.024	6.647	5.819	5.864
C91369	9.552	8.702	8.092	7.774	8.098	7.611	7.067	6.848	6.759	6.627
C91370	11.285	10.766	9.115	8.718	8.479	7.861	7.259	7.536	7.351	6.803
C91371	8.804	8.399	7.623	7.246	7.254	6.764	SPILLED	SPILLED	SPILLED	8.821
C91372	12.281	9.125	10.218	8.484	8.595	6.883	6.773	SPILLED	6.087	6.379
C91373	9.996	8.962	7.799	8.084	7.390	7.079	6.875	6.712	6.520	6.009
C91374	SPILLED	SPILLED	8.172	SPILLED	7.326	6.908	5.921	6.142	6.126	5.527
C91375	10.799	9.098	8.302	8.630	7.685	7.188	6.593	6.808	6.803	6.202
C91376	9.923	8.618	7.838	7.293	7.351	6.911	6.455	6.580	5.991	5.969
C91377	10.141	9.159	8.621	8.725	7.954	7.489	7.627	7.490	6.925	6.545
C91378	9.470	8.586	7.761	7.645	7.640	7.234	7.009	6.478	5.933	6.272
C91379	10.381	13.551	8.864	8.865	8.682	7.957	7.051	6.645	7.053	7.026
C91380	10.019	8.837	8.450	7.714	7.403	6.954	6.800	6.774	6.500	6.981
GROUP: FEMALE 5 - 300 PPM										
C91381	SPILLED	23.851	22.067	23.822	21.697	20.911	19.563	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91382	25.325	25.850	19.540	21.617	19.951	21.182	18.940	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91383	27.763	24.926	23.506	23.129	21.537	21.376	18.578	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91384	42.857	25.835	21.601	25.919	SPILLED	22.489	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91385	SPILLED	26.925	22.061	23.920	23.044	30.537	24.965	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91386	29.196	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 5 - 300 PPM										
C91387	25.075	20.420	18.420	18.182	23.209	17.914	17.680	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91388	27.940	25.038	22.500	22.199	20.285	19.266	19.929	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91389	29.132	19.821	19.540	20.733	18.299	19.022	19.728	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91390	29.972	25.661	25.739	24.922	22.991	24.238	23.085	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91391	27.479	23.953	21.652	21.429	19.275	18.642	18.781	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91392	SPILLED	26.429	SPILLED	20.526	22.238	19.733	20.227	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91393	24.409	41.409	SPILLED	19.927	18.016	17.623	18.477	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91394	25.761	24.164	21.153	20.346	19.167	18.624	18.002	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91395	36.029	31.906	42.730	24.735	SPILLED	22.164	22.164	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91396	SPILLED	SPILLED	19.826	21.574	17.945	18.273	17.433	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91397	33.653	25.356	24.196	24.039	23.461	22.709	20.580	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91398	29.432	22.632	23.294	21.534	19.952	20.168	18.849	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91399	27.857	22.842	20.029	18.932	18.367	18.845	19.113	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91400	28.496	24.154	25.127	25.676	24.570	24.437	23.041	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91401	30.286	32.666	23.240	22.231	20.698	20.465	20.000	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91402	26.025	22.785	21.951	22.120	20.269	20.639	20.533	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91403	SPILLED	34.689	30.064	SPILLED	SPILLED	SPILLED	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91404	25.907	22.651	21.730	21.831	20.377	20.786	19.395	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91405	28.042	24.561	22.257	22.047	22.127	22.053	21.176	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91406	27.318	24.176	21.138	SPILLED	20.324	19.665	19.395	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91407	29.732	23.795	23.903	21.659	21.373	SPILLED	20.596	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91408	27.786	25.108	22.192	SPILLED	21.709	19.414	19.126	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91409	SPILLED	20.513	19.524	17.946	19.833	17.582	18.431	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91410	SPILLED	29.748	21.310	19.303	19.073	18.614	18.729	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91411	30.521	26.356	22.534	21.277	20.145	20.045	18.182	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91412	28.992	23.160	22.568	19.348	20.879	20.339	17.840	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91413	SPILLED	SPILLED	SPILLED	SPILLED	21.889	SPILLED	18.522	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91414	30.062	26.698	22.799	21.481	22.963	21.334	19.027	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91415	25.476	21.548	22.309	18.033	19.955	18.634	18.950	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91416	24.333	23.489	19.525	18.543	19.068	19.027	17.424	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91417	30.938	SPILLED	24.330	23.713	20.295	19.403	19.395	NOT TAKEN	NOT TAKEN	NOT TAKEN

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 5 - 300 PPM										
C91418	25.835	24.290	23.785	21.866	21.853	19.748	19.162	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91419	SPILLED	SPILLED	22.206	SPILLED	19.780	18.792	18.883	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91420	29.630	32.688	23.233	22.294	19.748	19.527	18.960	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91421	26.804	24.568	21.237	19.514	20.375	18.653	18.737	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91422	SPILLED	20.665	19.694	17.143	15.761	16.459	16.396	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91423	25.051	25.237	23.915	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91424	25.815	24.702	21.486	19.831	19.500	19.462	18.440	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91425	SPILLED	22.135	19.676	17.811	18.701	17.401	17.430	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91426	30.777	38.884	23.174	17.197	21.429	25.663	19.951	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91427	29.435	SPILLED	23.100	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91428	30.192	25.786	25.355	22.857	21.932	20.203	20.750	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91429	27.862	22.870	19.515	19.565	19.988	18.279	17.073	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91430	29.227	26.802	24.702	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91431	28.220	22.414	20.714	SPILLED	SPILLED	SPILLED	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91432	21.599	22.843	19.328	21.275	20.887	19.222	20.111	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91433	39.110	34.421	SPILLED	SPILLED	SPILLED	18.169	19.764	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91434	28.398	25.051	22.432	21.884	20.977	19.398	19.121	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91435	28.083	25.876	24.242	23.433	21.922	21.188	21.287	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91436	23.003	24.339	21.800	20.351	18.267	21.257	19.797	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91437	26.802	24.390	21.861	21.581	20.455	19.868	20.157	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91438	31.504	27.607	24.773	24.122	23.336	22.091	21.590	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91439	33.236	26.037	22.637	SPILLED	20.168	20.121	17.832	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91440	SPILLED	25.893	22.388	21.792	19.811	19.580	20.417	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91441	30.000	25.032	21.188	21.943	20.991	20.387	19.845	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91442	28.656	24.213	23.209	22.148	20.779	21.481	19.208	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91443	25.691	21.542	21.641	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91444	30.458	24.852	24.010	23.068	21.700	20.896	19.748	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91445	SPILLED	25.210	SPILLED	20.251	20.100	SPILLED	19.216	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91446	32.180	27.706	24.529	23.957	24.454	22.619	22.796	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91447	30.959	24.697	22.350	20.589	21.320	19.683	25.714	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91448	29.011	SPILLED	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 5 - 300 PPM										
C91449	28.410	29.635	SPILLED	SPILLED	36.882	SPILLED	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91450	24.838	22.619	21.772	19.023	15.345	17.009	15.824	NOT TAKEN	NOT TAKEN	NOT TAKEN
GROUP: FEMALE 6 - 100 PPM										
C91451	9.055	8.427	7.526	7.875	7.937	7.191	6.782	8.608	6.222	6.589
C91452	9.416	8.498	7.798	7.758	7.366	6.624	7.044	7.170	6.268	6.714
C91453	11.003	9.577	8.429	8.605	8.108	7.558	7.158	7.483	6.667	6.726
C91454	10.282	8.891	8.011	7.861	7.373	6.643	6.752	6.369	5.799	6.389
C91455	10.703	12.166	10.507	8.212	7.834	7.448	7.302	8.092	7.008	6.850
C91456	10.671	8.516	7.678	7.741	7.212	6.777	6.356	6.482	6.162	6.471
C91457	10.909	9.624	7.872	8.008	7.770	7.519	6.821	7.323	6.790	6.498
C91458	9.321	8.041	8.442	7.212	7.471	6.745	6.520	6.909	6.071	6.030
C91459	9.716	9.870	7.579	7.965	7.727	SPILLED	6.004	SPILLED	6.589	SPILLED
C91460	9.460	9.041	7.988	7.546	7.362	6.926	6.117	6.477	6.148	7.397
C91461	8.668	8.369	7.870	7.565	7.292	6.956	6.162	6.732	6.038	5.961
C91462	10.834	9.472	8.954	8.317	8.059	7.701	7.615	7.545	6.902	6.732
C91463	SPILLED	8.269	7.048	6.806	6.775	5.864	6.223	5.725	5.571	5.378
C91464	9.958	8.965	8.457	8.184	7.929	7.094	6.667	6.842	6.398	6.559
C91465	10.919	SPILLED	9.704	8.498	8.578	8.598	7.094	8.312	6.623	6.708
C91466	9.301	7.852	8.019	7.787	6.745	5.832	6.472	6.247	6.200	5.558
C91467	10.367	11.018	7.600	8.403	7.434	8.367	7.128	SPILLED	6.272	6.483
C91468	8.530	7.750	7.833	7.362	7.231	7.042	6.152	7.718	5.941	7.508
C91469	9.049	8.055	7.906	7.077	6.934	6.570	6.276	6.401	6.027	6.012
C91470	10.417	9.967	8.727	8.016	8.179	7.849	6.491	7.842	6.836	7.046
C91471	10.244	8.696	8.271	7.889	7.914	7.481	7.000	6.835	6.754	6.674
C91472	9.905	8.242	8.880	9.377	9.464	7.418	7.072	SPILLED	SPILLED	7.290
C91473	9.439	8.019	7.740	7.420	7.410	6.775	7.393	SPILLED	6.555	7.809
C91474	11.077	10.352	8.889	8.910	6.930	7.852	7.236	8.437	7.268	SPILLED
C91475	13.870	11.136	10.151	SPILLED	8.239	8.760	10.430	SPILLED	6.920	SPILLED
C91476	SPILLED	8.665	7.854	7.961	7.509	7.026	6.776	6.657	6.361	6.469

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP:	FEMALE 6 - 100 PPM									
C91477	8.891	8.041	7.746	SPILLED	7.339	6.794	7.220	6.814	6.480	6.997
C91478	SPILLED	10.396	9.278	8.103	7.565	6.918	6.797	SPILLED	7.345	6.772
C91479	12.841	11.287	9.242	9.003	8.417	7.611	7.337	8.015	7.370	6.513
C91480	10.149	8.833	8.304	7.615	7.094	6.782	6.551	6.257	6.160	6.336
C91481	10.492	9.467	8.933	8.163	7.583	7.159	6.574	6.425	6.424	6.869
C91482	10.268	9.470	9.233	8.823	8.026	7.578	7.219	7.011	6.773	6.558
C91483	11.632	9.085	10.190	SPILLED	8.778	6.514	7.426	SPILLED	6.325	5.714
C91484	8.571	7.933	7.451	7.127	7.128	6.678	6.064	6.642	6.126	5.848
C91485	9.668	9.102	8.318	7.651	7.323	7.254	6.446	7.008	6.148	6.219
C91486	9.288	8.102	7.841	7.712	6.963	6.427	6.394	6.050	5.998	5.747
C91487	11.276	8.809	7.870	7.326	7.079	6.418	6.282	6.630	5.919	5.851
C91488	NOT TAKEN	9.058	8.120	SPILLED	8.583	6.729	6.396	6.390	6.264	6.015
C91489	8.496	8.108	8.204	8.231	7.175	6.847	6.694	7.005	6.895	6.266
C91490	10.174	9.473	8.579	SPILLED	7.926	7.174	7.127	7.098	7.231	6.491
GROUP:	FEMALE 7 - 300 PPM									
C91491	29.105	27.016	22.390	22.294	20.368	19.443	18.455	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91492	SPILLED	41.362	23.861	SPILLED	22.771	21.012	19.986	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91493	SPILLED	26.120	SPILLED	21.661	20.207	18.169	18.697	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91494	27.956	23.422	20.657	20.856	19.319	17.875	18.929	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91495	29.250	24.048	20.752	20.324	20.450	18.383	20.229	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91496	31.144	24.917	21.193	21.081	20.922	18.805	19.190	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91497	28.325	24.654	22.022	21.223	20.532	19.498	19.576	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91498	27.285	31.334	20.888	22.067	21.255	26.203	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91499	28.571	28.992	21.309	19.763	18.189	17.594	17.811	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91500	26.859	23.417	19.748	19.233	17.143	17.102	16.405	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91501	24.457	20.086	21.654	18.927	19.334	SPILLED	17.184	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91502	29.845	24.943	23.786	22.093	20.833	19.349	19.956	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91503	29.602	26.708	21.625	21.333	20.702	18.418	20.241	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91504	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	35.588	25.545	NOT TAKEN	NOT TAKEN	NOT TAKEN

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 7 - 300 PPM										
C91505	28.052	23.823	22.120	20.705	20.727	SPILLED	18.310	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91506	28.652	25.668	22.625	21.064	21.279	19.929	19.515	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91507	33.791	28.739	25.522	35.159	23.297	22.522	21.266	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91508	SPILLED	32.366	24.310	24.228	SPILLED	SPILLED	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91509	28.654	26.057	20.244	SPILLED	SPILLED	19.160	17.992	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91510	28.325	25.580	21.951	21.578	19.262	18.609	19.666	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91511	28.323	23.249	SPILLED	21.159	21.012	20.810	20.408	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91512	25.268	24.290	20.659	19.598	19.780	18.455	18.066	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91513	27.318	25.854	20.773	20.007	18.956	18.176	17.225	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91514	30.751	26.786	24.733	22.981	21.728	20.316	20.709	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91515	SPILLED	SPILLED	25.183	20.982	20.346	22.523	20.061	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91516	28.312	23.553	20.856	21.594	19.979	20.119	18.634	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91517	28.094	SPILLED	20.183	19.894	21.128	19.022	18.336	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91518	29.086	26.625	20.502	20.654	19.887	19.048	20.069	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91519	25.352	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	40.378	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91520	28.391	24.060	22.556	22.164	20.890	19.669	21.024	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91521	28.656	24.286	21.596	19.000	21.271	19.388	17.184	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91522	37.927	31.148	24.170	22.568	26.571	20.786	20.143	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91523	31.504	35.584	34.138	23.525	25.131	22.785	21.951	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91524	SPILLED	23.396	20.866	19.310	21.864	20.045	21.096	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91525	42.110	25.087	22.709	21.700	20.844	20.131	19.749	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91526	26.959	22.785	21.376	21.377	20.466	19.841	19.691	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91527	28.875	SPILLED	22.761	20.540	SPILLED	21.239	19.963	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91528	31.366	24.866	23.003	21.167	19.048	21.114	18.526	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91529	SPILLED	28.791	27.198	24.070	20.472	21.096	19.506	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91530	27.731	23.718	20.260	21.482	18.606	18.598	18.480	NOT TAKEN	NOT TAKEN	NOT TAKEN

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: MALE 2 - 3 PPM										
C90781	0.149	0.144	0.141	0.140	0.135	0.125	0.124	0.120	0.113	0.114
C90782	0.176	0.146	0.149	0.146	0.142	0.140	0.130	0.126	0.071	0.120
C90783	0.155	0.139	0.141	0.138	0.143	0.140	0.136	0.134	0.128	0.130
C90784	0.150	0.142	0.149	0.147	0.139	0.140	0.142	0.132	0.132	0.132
C90785	0.147	0.147	0.150	0.149	0.148	0.138	0.139	0.132	0.124	0.124
C90786	0.137	0.135	0.141	0.141	0.139	0.124	0.134	0.127	0.126	0.133
C90787	0.152	0.147	0.140	0.138	0.138	0.133	0.137	0.120	0.118	0.121
C90788	0.141	0.138	0.137	0.132	0.135	0.135	0.128	0.121	0.120	0.118
C90789	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90790	0.152	0.149	0.144	0.137	0.142	0.137	0.143	0.124	0.118	0.130
C90791	0.155	0.170	0.150	0.133	0.158	0.149	0.148	0.138	0.129	0.140
C90792	0.144	0.139	0.142	0.140	0.120	0.110	0.144	0.110	0.098	0.126
C90793	0.146	0.142	0.137	0.133	0.141	0.136	0.126	0.120	0.117	0.119
C90794	0.136	0.140	0.147	0.143	0.142	0.148	0.138	0.124	0.067	0.022
C90795	0.152	0.158	0.152	0.142	0.142	0.135	0.128	0.120	0.116	0.121
C90796	0.166	SPILLED	0.189	0.174	0.158	0.149	0.141	0.138	0.131	0.135
C90797	0.138	0.134	0.132	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90798	0.141	0.136	0.137	0.139	0.135	0.132	0.140	0.130	0.123	0.120
C90799	0.142	0.141	0.139	0.137	0.137	0.141	0.139	0.126	0.115	0.129
C90800	0.135	0.132	0.138	0.127	0.130	0.129	0.126	0.121	0.115	0.118
C90801	0.152	0.149	0.152	0.146	0.148	0.139	0.139	0.133	0.116	0.125
C90802	0.137	0.136	0.141	0.130	0.140	0.141	0.133	0.130	0.126	0.134
C90803	0.141	0.140	0.138	0.137	0.141	0.135	0.128	0.120	0.117	0.115
C90804	0.138	0.133	0.134	0.130	0.135	0.124	0.125	0.116	0.120	0.118
C90805	0.144	0.139	0.147	0.145	0.144	0.144	0.136	0.130	0.123	0.124
C90806	0.150	0.154	0.148	0.147	0.152	0.152	0.151	0.147	0.156	0.132
C90807	0.132	0.134	0.136	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90808	0.149	0.117	SPILLED	0.141	0.138	0.136	0.130	0.125	0.114	0.123
C90809	0.147	0.150	0.149	0.144	0.140	0.143	0.141	0.132	0.127	0.127
C90810	0.147	0.139	0.144	0.139	0.136	0.135	0.129	0.127	0.104	0.114
C90811	0.150	0.147	0.145	0.144	0.139	0.139	0.134	0.131	0.121	0.117

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: MALE 2 - 3 PPM										
C90812	0.136	0.132	0.135	0.133	0.132	0.134	0.129	0.120	0.121	0.125
C90813	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90814	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90815	0.144	0.142	0.139	0.137	0.138	0.131	0.131	0.123	0.114	0.122
C90816	0.148	0.145	0.141	0.128	0.140	0.135	0.130	0.125	0.121	0.123
C90817	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90818	0.164	0.154	0.164	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90819	0.135	0.126	0.120	0.122	0.131	0.133	0.120	0.121	0.117	0.118
C90820	0.134	0.130	0.134	0.110	0.130	0.126	0.120	0.112	0.111	0.111
C90821	0.138	0.134	0.133	0.132	0.133	0.132	0.130	0.119	0.118	0.121
C90822	0.150	0.140	0.147	0.150	0.149	0.146	0.139	0.133	0.129	0.135
C90823	0.163	0.154	0.158	0.156	0.152	0.149	0.143	0.130	0.126	0.120
C90824	0.143	0.132	0.135	0.140	0.136	0.132	0.129	0.124	0.120	0.117
C90825	0.146	0.134	0.133	0.135	0.137	0.127	0.126	0.115	0.112	0.120
C90826	0.176	0.162	SPILLED	SPILLED	0.175	0.167	0.161	0.148	0.094	SPILLED
C90827	0.149	0.137	0.135	0.132	0.132	0.133	0.133	0.122	0.116	0.120
C90828	0.149	0.146	0.152	0.154	0.143	0.148	0.135	0.128	0.123	0.118
C90829	0.139	0.128	0.134	0.137	0.133	0.133	0.124	0.125	0.112	0.115
C90830	0.152	0.140	0.138	0.139	0.146	0.138	0.134	0.126	0.065	0.125
C90831	0.151	0.144	0.146	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90832	0.145	0.136	0.137	0.133	0.135	0.128	0.126	0.118	0.115	0.115
C90833	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90834	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90835	0.160	0.147	0.140	0.138	0.141	0.144	0.136	0.127	0.120	0.124
C90836	0.154	0.149	0.149	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90837	0.147	0.139	0.144	0.143	0.135	0.134	0.131	0.123	0.117	0.116
C90838	0.146	0.144	0.143	0.142	0.147	0.139	0.135	0.122	0.070	0.116
C90839	0.144	0.139	0.138	0.137	0.130	0.134	0.135	0.121	0.080	0.114
C90840	0.143	0.139	0.133	0.118	0.140	0.134	0.129	0.121	0.110	0.107

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: MALE 3 - 30 PPM										
C90841	1.554	1.472	1.415	1.413	1.371	1.375	1.355	1.367	1.284	1.268
C90842	1.476	1.424	1.440	1.401	1.380	1.329	1.378	1.309	1.279	1.351
C90843	1.465	1.360	1.351	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90844	SPILLED	1.723	1.673	1.709	1.683	1.786	1.600	1.472	0.704	1.412
C90845	1.446	1.343	1.325	1.365	1.330	1.292	1.314	1.275	1.165	1.134
C90846	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90847	1.457	1.366	1.372	1.302	1.348	1.373	1.397	1.329	1.271	1.347
C90848	1.494	1.511	1.418	1.450	1.451	1.409	1.337	1.235	1.259	1.149
C90849	1.459	1.385	1.351	1.299	1.274	1.308	1.238	1.214	1.141	1.189
C90850	1.433	1.364	1.358	1.323	1.299	1.282	1.282	1.234	1.192	1.186
C90851	1.600	1.427	1.434	1.248	1.431	1.359	1.406	1.312	1.243	1.281
C90852	1.461	1.466	1.429	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90853	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90854	1.527	1.451	1.496	SPILLED	SPILLED	1.494	SPILLED	1.463	SPILLED	1.467
C90855	1.383	1.385	1.441	1.337	1.318	1.311	1.278	1.215	1.104	1.196
C90856	1.443	1.317	1.342	1.117	1.289	1.283	1.378	1.270	1.150	1.235
C90857	1.429	1.409	1.429	1.357	1.403	1.402	1.392	1.297	1.214	1.214
C90858	1.502	1.394	1.408	1.456	1.420	1.449	1.379	1.363	1.324	1.326
C90859	1.547	1.497	1.540	1.448	1.408	1.389	1.428	1.336	1.229	1.438
C90860	1.501	1.602	1.601	1.551	1.606	1.536	1.573	1.392	1.403	1.456
C90861	1.526	1.462	1.487	1.377	1.423	1.453	1.402	1.332	1.292	1.293
C90862	1.633	1.600	1.619	1.555	1.567	1.562	1.545	1.448	1.352	1.385
C90863	1.310	1.243	1.268	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90864	1.414	1.386	1.431	1.354	1.385	1.355	1.402	1.301	1.212	1.281
C90865	1.349	1.333	1.351	1.315	1.343	1.320	1.335	1.293	1.253	1.323
C90866	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90867	1.405	1.375	1.414	1.367	1.355	1.341	1.319	1.326	1.359	1.355
C90868	1.466	1.417	1.390	1.359	1.366	1.369	1.335	1.204	1.141	1.166
C90869	1.409	1.313	1.344	1.253	1.276	1.315	1.278	1.198	1.229	1.234
C90870	1.398	1.369	1.394	1.316	1.401	1.204	1.306	1.235	1.211	1.232
C90871	1.314	1.304	1.304	1.248	1.292	1.265	1.245	1.196	1.137	1.205

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: MALE 3 - 30 PPM										
C90872	1.369	1.340	1.367	1.388	1.330	1.357	1.323	1.289	1.308	1.198
C90873	1.425	1.322	1.420	1.446	1.488	1.332	1.403	1.295	1.320	1.269
C90874	1.332	1.337	1.290	1.215	1.238	1.239	1.174	1.136	1.104	1.082
C90875	1.436	1.409	1.457	1.370	1.456	1.378	1.334	1.265	1.144	1.201
C90876	1.415	1.300	1.292	1.209	1.166	1.136	1.243	1.200	1.116	1.086
C90877	1.524	1.495	1.494	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90878	1.579	1.598	1.585	1.533	1.506	1.519	1.523	1.461	1.413	1.348
C90879	1.487	1.419	1.419	1.387	1.376	1.396	1.359	1.387	1.263	1.231
C90880	1.474	1.399	1.456	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90881	1.429	1.395	1.416	1.366	1.307	1.345	1.282	1.280	1.208	1.163
C90882	1.466	1.374	1.411	1.396	1.361	1.376	1.287	1.299	1.253	1.223
C90883	SPILLED	1.710	1.517	SPILLED	1.600	1.559	1.466	1.494	1.414	1.332
C90884	1.639	1.558	SPILLED	1.519	SPILLED	SPILLED	SPILLED	1.597	1.498	1.454
C90885	1.454	1.373	1.374	1.367	1.350	1.351	1.379	1.239	1.159	1.201
C90886	1.523	1.415	1.413	1.379	1.346	1.364	1.380	1.259	1.222	1.289
C90887	1.494	1.380	1.383	1.402	SPILLED	1.413	1.336	1.296	1.182	1.254
C90888	1.412	1.399	1.412	0.688	1.760	1.544	1.399	1.268	1.275	1.350
C90889	1.357	1.272	1.232	1.239	1.253	1.321	1.264	1.215	1.185	1.273
C90890	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90891	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90892	1.573	1.446	1.452	1.290	1.482	1.399	1.372	1.276	1.247	1.272
C90893	1.647	1.476	1.455	1.459	1.441	1.465	1.439	1.329	1.263	1.346
C90894	1.543	1.417	1.422	1.483	1.407	1.409	1.348	1.309	1.209	1.275
C90895	1.713	1.559	1.654	1.506	1.487	1.407	1.364	1.297	1.231	1.312
C90896	SPILLED	1.584	1.653	1.463	SPILLED	1.423	1.514	1.399	1.301	1.389
C90897	1.397	1.300	1.328	1.013	1.351	1.390	1.334	1.221	1.117	1.183
C90898	1.465	1.368	1.326	1.360	1.292	1.288	1.378	1.292	1.180	1.241
C90899	1.519	1.403	1.513	1.380	1.459	1.423	1.394	1.422	1.278	1.379
C90900	1.454	1.393	1.414	1.365	1.392	1.426	1.398	1.310	1.263	1.304

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: MALE 4 - 100 PPM										
C90901	4.794	4.757	4.695	4.855	4.970	4.787	4.936	4.589	4.527	4.522
C90902	4.715	4.660	4.767	4.644	4.613	4.541	4.520	4.268	4.183	4.201
C90903	4.746	4.538	4.589	4.429	4.526	4.627	4.378	4.310	4.030	3.898
C90904	4.863	4.492	4.703	4.577	4.507	4.422	4.480	4.521	4.170	4.232
C90905	5.119	5.057	5.046	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90906	5.017	4.836	4.721	4.739	4.744	4.661	4.668	4.543	4.445	4.524
C90907	4.632	4.361	4.542	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90908	4.641	4.666	4.722	4.613	4.762	4.573	4.505	4.423	4.293	3.992
C90909	4.821	4.696	4.594	4.570	4.474	4.441	4.764	4.470	4.000	3.919
C90910	5.065	4.689	4.906	4.752	4.846	4.721	4.756	4.572	4.284	4.283
C90911	4.980	4.617	4.836	4.803	4.771	4.673	4.738	4.440	4.259	4.263
C90912	4.531	4.380	4.496	4.374	4.281	4.282	4.624	4.237	3.670	4.283
C90913	5.262	4.709	4.551	5.064	4.847	5.030	5.143	4.774	4.687	4.357
C90914	SPILLED	SPILLED	4.853	4.611	4.529	4.465	4.582	4.373	4.128	4.101
C90915	4.885	4.727	4.617	4.796	4.783	4.660	4.401	4.377	4.461	4.241
C90916	4.816	4.594	4.648	4.711	4.757	4.619	4.590	4.499	4.530	4.487
C90917	4.660	4.581	4.587	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90918	4.762	4.731	4.732	4.613	4.556	4.309	4.520	4.163	4.153	4.317
C90919	4.682	4.613	4.482	4.510	4.421	4.552	4.516	4.356	4.188	3.934
C90920	4.675	4.559	4.632	4.452	4.325	4.465	4.569	4.222	4.124	4.076
C90921	4.653	4.528	4.364	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90922	4.584	4.491	4.625	4.589	4.468	4.513	4.622	4.360	4.225	4.217
C90923	4.905	4.673	4.623	4.649	4.646	4.531	4.673	4.387	4.440	4.636
C90924	5.190	4.934	4.915	4.875	4.534	4.597	4.681	4.220	4.181	3.786
C90925	4.984	4.855	4.803	4.827	4.836	4.781	4.682	4.411	4.589	4.472
C90926	4.521	4.538	4.329	4.444	4.413	4.516	4.399	4.170	3.964	4.207
C90927	4.606	4.492	4.565	4.481	4.472	4.454	4.392	4.326	4.038	5.270
C90928	4.478	4.405	4.612	4.535	4.499	4.619	4.508	4.376	4.102	4.130
C90929	4.877	4.643	3.509	5.079	5.137	4.916	4.666	4.391	4.485	4.547
C90930	5.216	5.239	5.072	4.942	4.917	4.766	4.489	4.521	4.473	4.424
C90931	4.659	4.391	4.537	4.482	4.424	4.402	4.419	4.266	4.100	4.237

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: MALE 4 - 100 PPM										
C90932	4.922	4.907	4.936	4.959	4.977	4.615	4.724	4.838	4.627	4.887
C90933	4.594	4.575	4.457	4.656	4.658	4.464	4.505	4.295	4.015	4.049
C90934	5.114	4.881	4.865	4.450	5.154	4.885	4.642	4.645	4.481	4.810
C90935	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90936	5.040	5.014	4.932	4.877	4.795	4.670	3.223	4.758	4.303	4.506
C90937	4.747	4.611	4.641	4.782	4.627	3.952	5.208	4.983	5.187	4.912
C90938	5.192	4.929	4.927	4.706	4.970	4.961	4.904	4.911	4.756	4.809
C90939	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90940	4.850	4.659	4.615	4.482	4.465	4.367	4.507	4.413	4.427	4.138
C90941	4.802	4.478	4.630	4.382	4.437	4.539	4.727	4.761	4.295	4.259
C90942	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90943	5.442	5.815	SPILLED	6.394	SPILLED	5.420	SPILLED	5.399	5.027	SPILLED
C90944	4.668	4.680	4.569	4.410	4.656	4.539	4.527	4.462	4.454	4.386
C90945	4.725	4.710	4.494	4.587	4.541	4.456	4.474	4.383	4.420	4.514
C90946	4.020	4.369	4.623	4.436	4.498	4.420	4.659	4.389	4.001	3.728
C90947	4.909	4.697	4.703	4.438	4.757	4.832	4.730	4.552	4.240	4.426
C90948	4.914	4.946	5.002	5.025	5.040	4.936	5.039	4.921	4.564	4.226
C90949	3.327	2.752	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90950	4.689	4.520	4.582	4.314	4.459	4.543	4.410	4.282	4.178	4.283
C90951	4.853	4.729	4.688	4.744	4.469	4.624	4.472	4.236	4.200	4.220
C90952	4.492	4.219	4.185	4.068	4.017	4.335	4.272	3.890	3.845	3.974
C90953	4.603	4.535	4.393	3.850	4.501	4.362	4.223	4.079	4.030	4.309
C90954	4.851	4.643	4.700	5.021	4.827	4.708	4.642	4.502	4.399	4.659
C90955	4.776	4.455	4.501	4.487	4.635	4.490	4.432	4.502	4.393	4.364
C90956	4.206	4.154	4.042	4.438	4.394	4.351	4.454	4.032	4.053	3.788
C90957	5.223	4.524	4.817	4.469	4.938	4.771	2.989	4.279	4.389	4.656
C90958	4.656	3.690	5.119	4.925	4.807	4.965	4.763	SPILLED	4.274	4.312
C90959	4.082	4.429	4.513	4.434	4.626	4.570	4.572	4.135	4.157	4.095
C90960	4.738	4.625	4.832	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90961	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90962	4.908	4.666	4.633	4.548	4.585	4.474	4.297	4.268	4.077	4.177

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: MALE 4 - 100 PPM										
C90963	4.491	4.473	4.490	4.599	4.485	4.386	4.479	4.248	4.309	3.998
C90964	4.466	4.439	4.295	4.285	4.413	4.449	4.508	4.284	4.054	3.909
C90965	4.864	4.823	2.777	5.388	SPILLED	5.405	SPILLED	5.482	4.612	SPILLED
C90966	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90967	4.762	4.505	4.624	4.544	4.542	4.381	4.297	4.143	4.185	4.246
C90968	4.847	4.752	4.687	4.238	4.692	4.671	4.608	4.387	4.022	4.263
C90969	5.241	5.055	5.052	4.964	4.700	4.719	4.813	4.636	4.806	4.557
C90970	5.062	4.731	4.802	4.702	4.786	4.713	4.723	4.296	4.173	3.973
GROUP: MALE 6 - 100 PPM										
C91041	4.766	4.497	4.493	4.340	4.443	4.390	4.234	4.127	4.039	3.998
C91042	5.147	5.143	5.171	4.757	4.781	4.945	4.823	4.512	4.553	4.468
C91043	5.396	5.073	5.161	4.926	4.808	4.900	4.856	4.889	4.619	4.443
C91044	5.409	5.140	5.105	4.958	4.983	4.912	4.939	4.960	4.776	4.731
C91045	4.744	4.736	4.571	4.464	4.313	4.472	4.323	4.222	4.102	3.969
C91046	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91047	5.198	5.172	4.855	5.108	4.941	4.636	4.745	4.896	4.571	4.017
C91048	5.197	4.999	5.154	4.689	4.789	5.025	4.837	4.774	4.366	4.222
C91049	5.053	4.745	4.745	4.643	4.766	4.704	4.700	4.602	4.041	4.182

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: MALE 6 - 100 PPM										
C91050	5.270	5.091	4.952	4.809	4.880	5.012	5.101	4.612	4.460	4.565
C91051	5.171	4.970	4.979	4.833	4.774	4.676	4.810	4.661	4.413	4.509
C91052	4.966	4.730	SPILLED	4.433	4.668	4.511	4.519	4.122	3.786	3.911
C91053	4.843	4.797	4.840	4.824	4.805	4.762	4.645	4.491	4.292	4.165
C91054	4.539	4.415	4.542	4.326	4.418	4.902	4.668	4.300	3.863	4.195
C91055	4.821	4.535	4.519	4.626	4.723	4.424	4.424	4.186	4.070	3.980
C91056	5.574	5.492	5.345	5.552	5.359	5.222	4.783	4.836	SPILLED	SPILLED
C91057	4.565	4.552	4.369	4.412	4.427	4.510	4.205	4.152	3.852	4.003
C91058	4.216	4.086	4.291	4.358	4.372	4.203	4.126	4.125	3.938	4.182
C91059	4.907	4.744	4.671	4.624	4.528	4.311	4.409	4.340	4.270	4.043
C91060	5.391	4.979	5.172	5.070	5.228	5.069	5.103	4.663	4.427	4.387
C91061	4.748	4.811	4.892	4.779	4.532	4.544	4.449	4.415	4.020	4.062
C91062	4.929	4.706	4.771	4.717	4.655	4.718	4.482	4.471	4.463	SPILLED
C91063	4.714	5.038	4.958	4.808	4.779	4.695	4.767	4.367	4.434	4.663
C91064	4.661	4.631	4.607	4.726	4.692	4.637	4.395	4.387	4.201	4.109
C91065	4.880	4.752	4.978	4.796	4.844	4.734	4.388	4.507	4.326	3.979
C91066	4.711	4.640	4.691	4.653	4.543	4.366	4.429	4.364	4.109	4.175
C91067	4.875	4.720	4.726	4.552	4.546	4.537	4.350	4.352	4.272	4.394
C91068	3.853	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91069	5.518	5.177	4.857	4.708	4.740	4.671	4.647	4.191	4.213	4.249
C91070	4.657	4.448	4.360	4.484	4.668	4.507	4.339	4.462	4.159	4.561
C91071	4.912	4.664	4.810	4.599	4.648	4.408	4.311	4.297	4.221	4.266
C91072	4.865	4.644	4.863	4.667	4.653	4.614	4.398	4.371	4.229	4.157
C91073	5.015	4.754	4.697	4.726	4.460	4.540	4.039	4.133	3.856	3.736
C91074	4.815	4.652	4.855	4.559	4.495	4.587	4.633	4.389	4.282	4.454
C91075	5.359	5.146	5.245	4.858	4.989	4.831	4.912	4.818	4.520	SPILLED
C91076	5.192	5.066	4.752	4.785	4.744	4.523	4.931	4.347	4.253	4.257
C91077	4.986	4.801	4.868	4.953	5.002	4.867	4.640	4.405	4.683	4.837
C91078	4.464	4.375	4.409	4.355	4.169	4.484	4.459	4.022	3.935	4.198
C91079	4.813	4.620	4.648	4.680	4.506	4.638	4.686	4.290	4.285	4.163
C91080	4.977	4.843	4.984	4.781	4.701	4.633	4.776	4.601	4.318	4.375

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: FEMALE 2 - 3 PPM										
C91191	0.157	0.163	0.147	0.170	0.163	0.144	0.180	0.160	0.154	0.146
C91192	0.194	0.183	0.183	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91193	SPILLED	SPILLED	SPILLED	0.201	0.194	SPILLED	0.237	0.208	SPILLED	0.170
C91194	0.192	0.183	0.182	0.189	0.172	0.177	0.175	0.177	0.169	0.161
C91195	0.180	0.168	0.172	0.170	0.170	0.157	0.188	0.180	0.175	0.171
C91196	0.177	0.177	0.158	0.151	0.169	0.166	0.162	0.167	0.153	0.160
C91197	0.211	0.200	SPILLED	0.201	SPILLED	0.192	0.185	0.193	0.172	0.178
C91198	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91199	SPILLED	0.221	SPILLED	0.290	0.330	0.219	SPILLED	0.168	0.168	0.179
C91200	0.290	0.201	0.206	0.188	0.187	SPILLED	0.189	0.171	0.176	0.164
C91201	SPILLED	0.205	0.226	0.196	0.176	0.171	0.204	0.176	0.188	0.167
C91202	0.165	0.147	0.149	0.150	0.164	0.157	0.137	0.147	0.147	0.139
C91203	0.172	0.164	0.167	0.174	0.176	0.171	0.158	0.155	0.139	0.143
C91204	0.217	0.208	0.193	0.168	0.204	0.194	0.182	0.163	0.147	0.166
C91205	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91206	0.185	0.163	0.162	0.178	0.177	0.166	0.181	0.186	0.170	0.161
C91207	0.192	0.180	0.190	0.174	0.179	0.176	0.171	0.172	0.175	0.171
C91208	0.181	0.184	0.165	0.184	SPILLED	0.180	SPILLED	0.178	0.183	0.170
C91209	0.159	0.158	0.163	0.178	0.162	0.171	0.151	0.166	0.170	0.183

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP:	FEMALE 2 - 3 PPM									
C91210	SPILLED	SPILLED	0.323	0.277	SPILLED	SPILLED	SPILLED	SPILLED	0.229	0.223
C91211	0.157	0.170	0.161	0.164	0.161	0.163	0.164	0.156	0.173	0.137
C91212	0.188	0.180	0.183	0.174	0.164	0.168	0.179	0.171	0.164	0.168
C91213	0.198	0.169	0.176	0.192	0.186	0.174	0.173	0.177	0.128	0.160
C91214	0.183	0.149	0.161	0.167	0.179	0.173	0.156	0.179	0.148	0.147
C91215	0.183	0.191	0.185	0.175	0.189	0.200	0.190	0.196	0.188	0.200
C91216	0.248	SPILLED	0.187	0.189	0.200	0.177	0.168	0.180	0.183	0.178
C91217	0.193	0.185	0.172	0.171	0.178	0.167	0.181	0.166	0.177	0.177
C91218	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	0.202	0.192	SPILLED
C91219	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	0.217	0.177
C91220	0.172	0.161	0.151	0.154	0.162	0.154	0.152	0.165	0.146	0.157
C91221	0.187	0.205	0.192	0.161	0.193	0.187	0.203	0.174	0.156	0.178
C91222	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91223	0.186	0.207	0.199	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91224	0.236	0.202	0.191	0.192	0.186	0.192	0.182	0.185	0.188	0.198
C91225	0.176	0.170	0.169	0.172	0.157	0.170	0.143	0.186	0.147	0.161
C91226	0.184	0.179	0.187	0.172	0.179	0.178	0.178	0.168	0.157	0.154
C91227	0.179	0.172	0.161	0.159	0.165	0.152	0.149	0.143	0.149	0.148
C91228	0.184	0.180	0.186	0.148	0.175	0.182	0.164	0.180	0.171	0.165
C91229	0.168	0.170	0.175	0.159	0.158	0.161	0.178	0.162	0.162	0.161
C91230	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91231	0.163	0.153	0.156	0.159	0.162	0.182	0.146	0.135	0.142	0.145
C91232	0.203	0.213	0.192	0.179	SPILLED	0.196	0.201	0.182	0.170	0.171
C91233	0.195	0.190	0.173	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91234	0.171	0.169	0.173	0.157	0.161	0.162	0.152	0.143	0.134	0.153
C91235	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	0.292	0.240	0.249	0.212
C91236	0.198	0.192	0.183	0.192	0.189	0.196	0.203	0.228	0.213	0.228
C91237	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91238	SPILLED	0.265	0.172	0.171	0.173	0.184	0.168	0.180	0.165	0.184
C91239	0.180	0.173	0.175	0.172	0.178	0.158	0.180	0.163	0.167	0.167
C91240	0.143	0.135	0.181	0.185	0.161	0.168	0.158	0.197	0.149	0.154

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: FEMALE 2 - 3 PPM										
C91241	SPILLED	0.176	0.177	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91242	0.340	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	0.321	SPILLED	0.308
C91243	0.241	SPILLED	0.210	0.264	SPILLED	0.217	SPILLED	0.225	0.224	0.191
C91244	0.184	0.171	0.168	0.172	0.174	0.175	SPILLED	0.179	0.180	0.182
C91245	0.224	SPILLED	0.209	0.206	SPILLED	0.200	0.179	0.189	0.155	0.150
C91246	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	0.325	SPILLED	SPILLED
C91247	SPILLED	SPILLED	0.273	0.233	SPILLED	0.222	0.212	SPILLED	SPILLED	0.190
C91248	0.181	SPILLED	0.157	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91249	0.193	0.176	0.169	0.161	0.172	0.169	0.170	0.159	0.157	0.150
C91250	0.189	0.177	0.240	0.172	0.178	0.178	0.168	0.161	0.160	0.161
GROUP: FEMALE 3 - 30 PPM										
C91251	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91252	1.879	1.725	1.690	1.888	1.792	1.792	1.845	1.594	1.718	1.649
C91253	1.921	1.967	1.973	1.780	1.940	1.829	1.935	1.731	1.767	1.662
C91254	2.061	1.819	1.844	1.775	1.892	1.812	1.691	1.618	1.750	1.736
C91255	2.193	2.026	1.995	1.810	1.826	1.895	1.767	1.760	1.850	1.826
C91256	1.967	1.922	1.832	1.754	1.785	1.781	1.876	1.702	1.620	1.583
C91257	SPILLED	SPILLED	2.566	SPILLED	2.356	2.107	1.506	SPILLED	SPILLED	SPILLED
C91258	1.865	1.720	1.667	1.633	1.784	1.595	1.775	1.559	1.684	1.535
C91259	SPILLED	1.812	1.703	1.752	1.777	1.787	1.798	1.732	1.761	1.621
C91260	1.930	1.676	1.635	1.777	1.912	1.754	1.781	1.723	1.574	1.679
C91261	2.003	2.080	1.962	1.931	1.958	2.096	1.996	2.002	1.818	1.833
C91262	1.768	1.839	1.763	1.647	1.929	1.773	1.971	1.856	1.802	1.655
C91263	1.945	1.848	1.829	1.838	1.879	1.869	1.878	1.729	1.707	1.666
C91264	1.665	1.862	1.661	1.639	1.922	1.702	1.847	1.577	1.689	1.701
C91265	1.705	1.957	1.608	1.663	1.726	1.650	1.573	1.555	1.555	1.625
C91266	1.915	1.829	1.642	1.749	1.741	1.685	1.765	2.109	1.771	1.862
C91267	1.974	1.806	1.788	1.874	1.786	1.875	1.785	1.904	SPILLED	1.777
C91268	1.832	1.760	1.639	1.555	1.711	1.622	1.559	1.651	1.505	1.549

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: FEMALE 3 - 30 PPM										
C91269	2.042	2.097	2.036	1.786	1.860	SPILLED	1.776	1.556	1.760	1.606
C91270	2.166	1.739	1.740	1.972	1.908	1.934	1.849	1.734	1.651	1.767
C91271	2.819	2.078	2.001	1.992	1.961	1.872	1.883	1.899	1.659	1.770
C91272	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91273	2.402	2.379	2.357	2.334	SPILLED	SPILLED	2.103	1.926	1.795	1.813
C91274	1.941	1.846	1.781	1.984	SPILLED	1.920	1.737	1.771	1.606	1.617
C91275	SPILLED	1.821	1.655	1.996	1.777	1.725	1.672	1.774	1.546	1.544
C91276	2.134	1.935	1.714	1.897	1.999	1.859	1.892	1.784	1.899	1.938
C91277	1.919	1.772	1.790	1.836	1.733	1.717	1.620	1.707	1.737	1.770
C91278	SPILLED	1.765	1.723	1.810	1.770	1.717	1.835	1.803	1.737	1.751
C91279	2.013	1.996	1.770	1.978	1.918	1.919	2.168	1.663	1.603	1.653
C91280	1.773	1.993	1.891	1.865	1.947	1.803	1.896	1.848	1.746	1.674
C91281	SPILLED	SPILLED	2.546	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91282	1.853	1.900	1.813	1.894	1.784	1.795	1.706	1.580	1.676	1.545
C91283	1.809	1.670	1.638	1.705	1.554	1.667	1.681	1.647	1.619	1.497
C91284	1.947	SPILLED	2.094	SPILLED	1.967	1.903	2.108	1.931	1.831	1.581
C91285	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91286	2.252	2.297	2.171	2.049	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	2.167
C91287	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91288	1.616	1.680	1.620	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91289	2.033	1.780	1.675	1.822	1.782	1.730	1.817	1.772	1.822	1.739
C91290	2.002	1.926	1.775	2.125	2.213	2.204	2.214	2.273	1.583	2.387
C91291	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91292	1.797	1.761	1.637	1.695	1.794	1.733	1.704	1.470	1.544	1.357
C91293	2.641	1.960	1.887	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91294	1.730	1.804	1.772	1.738	1.774	1.697	1.700	1.611	1.681	1.869
C91295	2.147	2.126	1.874	2.114	SPILLED	1.988	1.899	1.655	1.873	1.642
C91296	SPILLED	2.984	2.165	2.096	SPILLED	SPILLED	2.038	1.872	1.886	1.874
C91297	2.202	2.328	2.012	SPILLED	2.521	2.061	2.196	2.219	SPILLED	2.425
C91298	1.702	2.101	2.120	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	1.639	SPILLED
C91299	1.876	2.423	1.782	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: FEMALE 3 - 30 PPM										
C91300	3.423	2.049	2.132	2.061	SPILLED	SPILLED	SPILLED	2.113	1.818	1.758
C91301	1.799	1.857	1.821	1.754	1.811	1.732	1.777	1.780	1.484	1.460
C91302	2.701	SPILLED	SPILLED	1.785	1.688	1.743	1.721	1.842	1.755	1.810
C91303	1.655	1.804	1.521	1.679	1.729	1.568	1.686	1.483	1.365	1.618
C91304	1.914	1.979	1.893	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91305	2.030	2.030	1.958	1.803	2.096	2.059	2.008	1.903	1.861	1.875
C91306	1.838	2.015	1.947	1.840	1.986	1.823	1.855	1.807	1.768	2.017
C91307	1.726	1.708	1.573	1.743	1.609	1.618	1.732	1.732	1.559	1.669
C91308	2.657	2.496	3.042	SPILLED	SPILLED	2.899	2.450	2.311	SPILLED	2.042
C91309	1.658	1.736	1.770	1.758	1.848	1.770	1.749	1.691	1.618	1.679
C91310	1.937	2.047	1.962	1.888	1.912	1.913	1.828	1.821	1.637	1.618
GROUP: FEMALE 4 - 100 PPM										
C91311	6.200	6.839	7.926	6.696	6.652	7.034	7.439	7.002	7.264	7.050
C91312	6.233	6.158	6.153	6.157	6.237	6.101	6.027	5.882	6.096	6.173
C91313	7.943	6.270	6.367	6.392	6.557	6.197	6.501	6.561	6.574	6.919
C91314	8.759	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C91315	7.427	6.698	6.657	6.448	7.143	6.699	6.610	6.433	6.413	6.535
C91316	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91317	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91318	5.470	5.679	5.226	5.495	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91319	6.932	6.466	6.379	6.313	6.540	6.343	6.452	6.230	6.408	6.239
C91320	6.368	6.419	6.118	6.572	6.398	5.952	6.507	SPILLED	6.036	5.852
C91321	6.751	6.872	6.092	6.836	6.775	6.204	6.759	6.928	6.776	6.938
C91322	6.713	6.713	6.635	6.419	6.661	6.991	6.439	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91323	6.524	6.619	6.602	6.851	6.726	6.641	7.180	6.773	7.051	6.976
C91324	6.452	8.698	5.703	6.127	6.045	6.062	5.922	6.112	5.709	5.833
C91325	5.572	5.445	5.291	5.641	5.527	5.673	5.560	5.518	5.391	5.693
C91326	7.058	6.746	6.057	6.083	7.522	6.536	7.151	7.212	7.050	6.948
C91327	6.324	5.680	6.081	5.974	6.090	6.138	6.320	5.884	5.707	5.860

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: FEMALE 4 - 100 PPM										
C91328	5.945	6.150	5.229	5.843	5.970	5.492	SPILLED	6.510	5.629	5.281
C91329	5.906	5.626	5.592	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91330	6.135	5.931	5.838	5.904	6.349	5.885	6.229	6.018	5.644	6.067
C91331	6.538	5.766	5.929	6.148	6.305	6.136	6.015	5.855	6.061	5.581
C91332	7.249	7.309	6.589	5.547	SPILLED	6.362	6.157	5.951	5.665	7.561
C91333	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91334	5.811	6.032	5.673	5.901	5.632	5.541	5.544	5.774	5.542	5.577
C91335	6.164	5.874	5.919	6.187	5.781	6.024	6.066	5.685	5.479	5.456
C91336	SPILLED	SPILLED	9.446	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	10.100
C91337	5.714	5.871	5.481	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91338	6.156	5.701	6.061	6.019	6.342	6.349	6.009	5.726	5.332	5.568
C91339	5.835	6.161	5.563	5.811	6.088	5.809	6.106	5.923	6.204	6.258
C91340	5.544	5.351	5.042	5.169	5.112	5.438	5.272	5.979	5.081	5.486
C91341	5.766	5.530	5.338	5.592	5.664	5.454	5.830	6.287	5.982	5.891
C91342	6.067	6.084	5.511	5.747	5.671	6.040	5.840	5.942	5.340	5.654
C91343	6.726	6.524	6.436	6.423	6.556	5.909	6.689	6.555	6.525	6.277
C91344	5.757	5.532	5.442	6.138	5.832	5.799	5.508	5.740	5.640	5.768
C91345	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91346	6.267	6.445	6.149	6.417	6.318	6.674	6.286	5.967	6.139	5.793
C91347	5.736	6.095	5.640	5.788	5.926	6.216	5.534	5.932	5.676	5.814
C91348	5.822	5.870	5.726	5.353	6.110	6.148	5.874	5.778	5.905	6.089
C91349	6.032	6.015	6.134	6.397	6.501	6.284	6.269	6.493	7.411	7.023
C91350	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91351	6.052	5.677	5.585	5.933	5.542	5.982	5.497	5.652	5.175	5.839
C91352	5.714	5.284	5.578	5.590	6.055	5.937	6.149	5.690	5.674	5.960
C91353	6.349	6.517	6.272	6.672	6.243	6.299	6.505	6.729	6.453	6.566
C91354	5.690	5.691	5.386	5.726	5.536	5.996	SPILLED	5.769	5.794	5.907
C91355	8.006	7.027	5.876	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91356	6.744	6.137	5.881	5.872	6.448	6.193	7.026	6.813	6.439	SPILLED
C91357	6.076	5.357	5.361	5.263	5.463	5.478	5.741	5.082	5.412	5.373
C91358	6.551	5.775	6.036	5.874	6.239	6.344	6.139	5.926	5.500	6.236

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: FEMALE 4 - 100 PPM										
C91359	SPILLED	8.246	10.138	7.745	7.664	6.146	6.417	6.485	6.943	6.817
C91360	6.356	6.140	6.122	6.144	6.283	6.077	6.478	6.546	6.259	6.681
C91361	4.595	5.347	5.408	5.236	5.367	5.107	5.384	5.429	5.081	4.845
C91362	7.673	8.148	6.253	SPILLED	5.850	5.693	6.866	6.458	5.673	5.732
C91363	6.015	6.186	5.964	6.238	5.970	5.498	6.280	5.732	5.183	6.220
C91364	5.918	5.808	5.528	5.864	5.361	5.622	5.838	5.618	5.725	6.026
C91365	15.524	SPILLED	14.975	14.839	SPILLED	SPILLED	SPILLED	13.289	SPILLED	SPILLED
C91366	6.092	5.370	5.497	6.191	5.563	5.694	5.917	5.793	5.760	6.049
C91367	6.023	5.549	5.510	6.074	5.666	5.467	6.000	6.181	5.697	5.781
C91368	5.886	6.090	5.737	5.378	5.692	5.560	5.796	5.570	5.459	5.569
C91369	6.314	5.821	6.525	6.126	6.090	6.327	SPILLED	6.132	5.942	6.155
C91370	6.730	6.701	6.659	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91371	SPILLED	7.742	7.046	5.762	5.950	5.259	6.143	SPILLED	6.127	5.820
C91372	6.195	6.291	5.892	5.577	5.944	5.846	5.870	5.470	4.969	8.230
C91373	5.833	5.522	6.356	6.291	6.204	6.392	6.068	6.398	6.359	5.984
C91374	5.662	5.942	5.459	4.838	6.010	5.684	5.739	5.702	5.148	5.531
C91375	6.122	6.091	6.228	5.993	5.874	5.843	5.823	6.012	5.757	5.953
C91376	5.907	5.703	5.501	5.714	5.825	5.692	5.698	5.706	5.532	5.780
C91377	7.072	6.945	6.343	6.209	7.033	6.790	7.023	6.897	6.245	6.173
C91378	6.624	5.691	5.657	6.343	6.255	5.837	6.119	6.015	5.808	5.590
C91379	6.509	6.971	6.646	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91380	6.161	6.273	5.375	6.040	6.000	5.657	6.029	5.807	5.547	5.858

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: FEMALE 6 - 100 PPM										
C91451	6.616	6.324	6.293	6.086	6.086	6.325	6.467	6.312	6.304	6.299
C91452	6.148	6.141	5.884	5.685	5.774	5.989	5.911	5.874	5.721	6.221
C91453	6.228	6.498	6.153	6.970	6.569	6.372	6.060	6.005	6.310	5.889
C91454	6.502	5.960	5.784	6.624	6.400	5.838	6.105	5.757	6.042	6.180
C91455	6.723	6.317	5.933	5.864	6.036	6.337	6.399	6.082	5.811	5.892
C91456	6.012	5.901	5.795	5.933	5.884	5.648	5.872	5.879	5.561	5.724
C91457	6.295	6.651	6.698	6.218	6.327	6.416	6.474	5.925	5.649	5.864
C91458	6.186	5.844	5.967	5.556	6.349	5.938	6.355	6.004	6.034	6.241
C91459	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C91460	10.941	6.521	5.941	6.379	6.211	5.898	6.686	5.876	5.993	6.098
C91461	6.557	5.602	5.223	5.785	5.793	6.323	6.313	6.266	5.850	5.483
C91462	6.893	6.447	6.213	6.643	6.252	6.129	6.286	6.180	5.716	5.896
C91463	5.165	5.381	4.934	5.442	5.768	5.589	5.626	5.541	5.772	5.776
C91464	6.555	6.184	6.335	6.070	6.256	5.895	7.377	6.142	6.328	6.253
C91465	7.003	7.112	6.691	6.593	6.653	6.880	6.081	7.113	6.901	6.935
C91466	6.074	5.102	5.472	5.342	5.333	5.375	5.666	5.262	4.954	5.182
C91467	6.199	5.948	5.514	6.103	5.834	5.574	6.062	6.040	6.189	6.542
C91468	6.188	6.862	6.342	6.140	5.790	SPILLED	SPILLED	SPILLED	5.805	8.047
C91469	5.974	5.793	5.625	5.989	5.551	5.391	5.744	5.764	5.589	6.094
C91470	6.376	6.604	6.543	6.185	6.460	6.077	6.111	6.189	5.774	6.214
C91471	6.184	6.114	6.018	6.178	6.349	6.169	6.230	6.358	6.128	6.119
C91472	SPILLED	SPILLED	6.520	5.850	6.951	6.231	6.126	5.753	5.451	5.518
C91473	6.621	10.336	9.406	SPILLED	6.164	5.393	5.841	6.489	5.468	SPILLED
C91474	SPILLED	7.961	5.685	5.895	6.176	5.948	6.664	5.939	6.911	5.694
C91475	7.169	6.097	5.963	5.973	6.388	6.150	6.336	6.122	5.736	5.938
C91476	5.939	5.939	5.948	6.018	5.621	5.890	6.297	6.052	6.245	5.830

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: FEMALE 6 - 100 PPM										
C91477	6.973	6.343	6.107	6.672	6.438	6.419	6.241	6.540	6.421	6.371
C91478	7.038	7.221	6.252	6.389	6.926	7.357	6.700	6.682	6.561	SPILLED
C91479	6.884	6.822	6.475	6.699	6.528	6.893	6.892	6.367	6.279	SPILLED
C91480	6.255	5.825	5.659	6.024	5.825	5.725	5.810	5.745	6.112	6.409
C91481	5.641	5.603	5.727	5.888	6.161	5.655	5.840	5.762	5.622	5.913
C91482	6.576	6.226	6.044	6.627	6.325	5.895	6.072	5.984	5.731	6.362
C91483	5.801	5.725	5.185	5.693	5.725	6.211	6.600	5.685	5.888	6.161
C91484	6.175	5.915	5.845	5.973	6.057	5.682	5.185	5.660	5.885	5.964
C91485	6.073	5.862	5.508	4.879	5.714	5.399	5.918	5.777	5.948	5.940
C91486	5.801	5.832	5.432	5.827	5.664	5.664	5.902	5.913	6.410	6.193
C91487	6.255	5.837	5.336	5.492	5.559	5.416	6.191	6.203	5.892	6.103
C91488	6.172	5.971	6.344	5.900	6.146	5.505	5.763	5.542	5.442	5.381
C91489	7.914	6.699	6.670	6.484	6.526	6.941	7.249	6.305	6.725	6.099
C91490	6.686	6.331	6.300	6.146	6.423	6.154	6.387	6.061	5.944	6.049

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: MALE 2 - 3 PPM										
C90781	0.116	0.120	0.109	0.108	0.102	0.103	0.098	0.089	0.102	0.099
C90782	0.118	0.128	0.114	0.110	0.107	0.107	0.107	0.105	0.099	0.110
C90783	0.119	0.133	0.122	0.113	0.108	0.111	0.108	0.106	0.102	0.110
C90784	0.130	0.141	0.126	0.119	0.116	0.114	0.115	0.109	0.112	0.115
C90785	0.125	0.137	0.119	0.122	0.109	0.108	0.107	0.103	0.104	0.108
C90786	0.123	0.131	0.119	0.113	0.102	0.101	0.107	0.114	0.104	0.107
C90787	0.126	0.129	0.115	0.115	0.108	0.102	0.106	0.100	0.101	0.100
C90788	0.111	0.118	0.103	0.101	0.096	0.091	0.096	0.089	0.091	0.090
C90789	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90790	0.124	0.131	0.120	0.112	0.105	0.109	0.102	0.106	0.096	0.108
C90791	0.137	0.148	0.129	0.125	0.120	0.120	0.120	0.108	0.115	0.115
C90792	0.130	0.133	0.121	0.119	0.110	0.008	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90793	0.116	0.122	0.116	0.112	0.106	0.103	0.106	0.102	0.102	0.100
C90794	SPILLED	SPILLED	0.129	0.115	0.101	0.098	0.100	0.091	0.092	0.098
C90795	0.116	0.115	0.107	0.102	0.063	0.016	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90796	0.129	0.138	0.128	0.123	0.121	0.108	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90797	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90798	0.123	0.129	0.111	0.111	0.104	0.106	0.106	0.100	0.111	0.107
C90799	0.124	0.129	0.119	0.114	0.111	0.106	0.108	0.106	0.106	0.108
C90800	0.115	0.123	0.114	0.109	0.107	0.107	0.105	0.106	0.108	0.110
C90801	0.127	0.136	0.121	0.104	0.134	0.118	0.118	0.111	0.106	0.108
C90802	0.134	0.135	0.121	0.123	0.115	0.109	0.110	0.103	0.112	0.115
C90803	0.115	0.124	0.110	0.106	0.103	0.099	0.104	SPILLED	0.119	0.139
C90804	0.118	0.120	0.110	0.107	0.100	0.098	0.099	0.101	0.099	0.098
C90805	0.124	0.122	0.113	0.106	0.117	0.033	0.015	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90806	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90807	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90808	0.118	0.129	0.116	0.104	0.104	0.100	0.107	0.020	0.025	NOT TAKEN
C90809	0.129	0.139	0.120	0.123	0.127	0.121	0.119	0.114	0.115	0.117
C90810	0.114	0.124	0.110	0.105	0.097	0.091	0.099	0.096	0.097	0.098
C90811	0.122	0.126	0.111	0.150	0.126	0.107	0.088	0.100	0.102	0.103

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: MALE 2 - 3 PPM										
C90812	0.119	0.131	0.118	0.112	0.107	0.102	0.107	0.107	0.114	0.109
C90813	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90814	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90815	0.120	0.137	0.121	0.113	0.117	0.100	0.107	0.100	0.104	0.103
C90816	0.116	0.120	0.103	0.104	0.111	0.103	0.107	0.095	0.096	0.100
C90817	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90818	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90819	0.111	0.122	0.111	0.102	0.101	0.093	0.094	0.097	0.094	0.098
C90820	0.112	0.117	0.107	0.102	0.095	0.095	0.095	0.099	0.044	NOT TAKEN
C90821	0.119	0.123	0.112	0.112	0.098	0.096	0.098	0.099	0.099	0.095
C90822	0.131	0.134	0.120	0.114	0.112	0.106	0.105	0.103	0.103	0.092
C90823	0.116	0.125	0.113	0.112	0.099	0.102	0.097	0.098	0.094	0.107
C90824	0.119	0.132	0.115	0.108	0.102	0.098	0.101	0.096	0.095	0.099
C90825	0.114	0.124	0.114	0.108	0.114	0.103	0.099	0.097	0.103	0.098
C90826	0.155	SPILLED	0.130	0.129	0.127	0.119	0.117	0.068	0.111	0.112
C90827	0.118	0.124	0.114	0.114	0.112	0.110	0.100	0.103	NOT TAKEN	NOT TAKEN
C90828	0.114	0.117	0.110	0.114	0.122	0.095	0.107	0.114	0.120	0.116
C90829	0.118	0.118	0.107	0.099	0.096	0.090	0.091	0.089	0.091	0.095
C90830	0.115	0.126	0.112	0.107	0.104	0.099	0.101	0.103	0.101	0.105
C90831	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90832	0.116	0.126	0.105	0.109	0.106	0.094	0.096	0.094	0.098	0.033
C90833	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90834	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90835	0.117	0.121	0.119	0.118	0.118	0.103	0.111	0.112	0.117	0.107
C90836	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90837	0.118	0.124	0.111	0.110	0.131	0.183	0.231	0.201	SPILLED	0.297
C90838	0.111	0.095	0.106	0.098	0.096	0.081	0.089	0.089	0.089	0.094
C90839	0.112	0.121	0.104	0.101	0.096	0.091	0.090	0.094	0.096	0.088
C90840	0.106	0.118	0.103	0.093	0.097	0.090	0.091	0.092	0.092	0.088

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: MALE 3 - 30 PPM										
C90841	1.279	1.227	1.173	1.109	1.153	1.018	1.052	1.049	1.039	1.116
C90842	1.256	1.283	1.208	1.150	1.136	1.041	1.084	0.980	1.039	1.086
C90843	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90844	1.256	1.405	1.212	1.138	1.156	0.996	1.153	1.059	1.072	1.120
C90845	1.131	1.231	1.055	1.059	1.058	0.997	0.989	1.005	0.985	1.019
C90846	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90847	1.305	1.355	1.239	1.146	1.110	1.021	1.078	1.046	1.097	1.121
C90848	1.107	1.217	1.149	1.023	1.026	0.922	0.937	0.823	0.866	0.773
C90849	1.137	1.150	1.101	1.046	1.032	0.977	0.916	0.813	0.729	0.678
C90850	1.135	1.269	1.102	1.041	1.096	1.049	1.048	0.961	0.977	1.071
C90851	1.205	1.293	1.151	1.135	1.120	1.041	1.100	0.994	1.010	1.074
C90852	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90853	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90854	1.338	1.558	1.258	1.166	1.115	1.089	1.138	1.078	1.156	1.105
C90855	1.257	1.279	1.107	1.130	1.075	0.988	1.011	0.920	0.955	1.001
C90856	1.158	1.249	1.111	1.070	0.988	0.927	1.061	0.987	0.948	0.985
C90857	1.178	1.297	1.155	1.244	1.129	1.087	1.054	1.089	1.099	1.131
C90858	1.319	1.369	1.289	1.207	1.150	1.104	1.071	1.024	1.050	1.043
C90859	1.395	1.492	1.342	1.283	1.232	1.034	0.984	0.597	1.455	NOT TAKEN
C90860	1.557	1.527	1.373	1.380	1.323	1.306	1.296	1.181	1.196	1.287
C90861	1.314	1.279	1.227	1.157	1.161	1.086	1.142	0.794	0.547	NOT TAKEN
C90862	1.336	1.400	1.263	1.168	1.133	1.108	1.092	0.567	0.881	NOT TAKEN
C90863	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90864	1.306	1.341	1.214	1.179	1.141	1.100	1.075	1.124	1.094	1.052
C90865	1.313	1.343	1.212	1.231	1.192	1.100	1.155	1.077	1.133	1.091
C90866	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90867	1.320	1.488	1.343	1.259	1.289	1.303	1.310	1.293	1.250	1.408
C90868	1.140	1.207	1.089	1.006	1.039	1.004	0.965	0.967	0.974	0.367
C90869	1.232	1.296	1.161	1.098	1.102	1.048	1.046	1.022	0.813	1.098
C90870	1.359	1.384	1.135	1.126	1.092	1.082	1.063	1.052	1.011	0.878
C90871	1.167	1.283	1.167	1.097	1.128	1.059	1.116	1.018	1.043	1.035

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: MALE 3 - 30 PPM										
C90872	1.183	1.311	1.157	1.085	1.051	1.017	1.048	1.033	1.024	1.061
C90873	1.246	1.288	1.157	1.079	SPILLED	1.122	1.069	SPILLED	0.986	0.916
C90874	1.107	1.169	1.066	1.011	1.000	0.178	1.231	1.363	NOT TAKEN	NOT TAKEN
C90875	1.171	1.251	1.174	1.136	1.071	1.040	1.114	1.039	1.044	1.095
C90876	SPILLED	1.265	1.108	1.025	1.040	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90877	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90878	1.368	1.448	1.268	1.252	1.271	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90879	1.282	1.253	1.184	1.187	1.051	1.059	1.106	1.104	1.190	1.118
C90880	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90881	1.164	1.248	1.132	1.078	1.032	0.975	1.018	0.974	1.115	1.069
C90882	1.212	1.257	1.134	1.123	1.095	1.013	0.999	0.962	0.953	1.016
C90883	1.461	1.660	1.522	1.511	1.021	1.480	1.418	1.169	1.257	1.198
C90884	1.517	1.549	1.429	1.250	1.339	1.363	1.397	SPILLED	SPILLED	SPILLED
C90885	1.206	1.273	1.162	1.088	1.053	0.975	0.994	1.039	0.985	0.946
C90886	1.240	1.316	1.178	1.169	1.049	1.122	1.066	0.908	1.050	1.076
C90887	1.137	1.287	1.145	1.085	1.061	1.019	0.924	0.896	0.000	NOT TAKEN
C90888	1.341	1.525	1.300	1.132	1.168	1.129	1.205	1.369	1.256	1.402
C90889	1.179	1.273	1.168	1.116	1.134	1.003	1.109	1.018	1.038	1.041
C90890	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90891	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90892	1.290	1.381	1.237	1.154	1.140	1.058	1.082	1.145	1.018	0.648
C90893	1.199	1.391	1.209	1.220	1.181	1.086	1.030	0.975	1.032	0.999
C90894	1.242	1.289	1.269	1.202	1.136	1.039	1.046	0.977	0.940	1.057
C90895	1.260	1.384	1.191	1.194	1.137	1.078	1.049	1.011	0.980	1.079
C90896	1.399	1.477	1.332	1.281	1.285	1.301	1.088	0.813	0.465	NOT TAKEN
C90897	1.187	1.254	1.131	1.070	1.068	1.023	0.999	0.956	0.986	0.992
C90898	1.227	1.334	1.113	1.167	1.139	1.220	0.223	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90899	1.357	1.464	1.282	1.260	1.272	1.238	1.173	1.077	1.073	1.070
C90900	1.300	1.411	1.255	1.215	1.203	1.158	1.104	1.034	1.030	1.066

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: MALE 4 - 100 PPM										
C90901	4.325	4.592	4.202	4.065	4.003	3.903	3.659	3.771	3.755	2.387
C90902	4.144	4.363	3.921	3.872	3.773	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90903	4.137	4.403	4.101	3.951	3.557	3.513	3.523	3.375	3.600	3.464
C90904	4.457	4.738	4.361	4.168	4.124	3.915	3.937	3.913	3.850	3.764
C90905	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90906	4.475	4.654	4.206	3.893	3.808	3.711	3.481	3.282	3.574	3.721
C90907	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90908	3.799	4.167	3.579	3.676	3.758	3.859	3.632	3.839	3.806	3.774
C90909	4.105	4.116	4.005	3.655	3.447	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90910	4.119	4.289	3.857	3.558	3.479	3.304	3.269	3.405	3.389	3.431
C90911	4.276	4.477	4.204	3.943	3.933	3.714	3.528	3.468	3.582	3.535
C90912	4.291	4.538	4.118	4.038	3.923	3.865	3.786	2.336	3.207	3.136
C90913	3.980	4.359	3.860	3.887	3.558	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90914	3.895	3.982	3.722	3.534	3.653	3.574	3.369	3.466	3.634	3.497
C90915	4.242	4.214	4.026	3.889	3.908	3.731	3.589	3.585	3.698	3.669
C90916	4.384	4.586	4.147	3.979	3.825	3.607	3.439	3.491	3.565	3.609
C90917	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90918	4.434	4.399	4.094	3.941	3.615	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90919	4.333	4.368	4.277	4.095	4.093	3.794	3.787	3.833	4.133	4.192
C90920	3.979	4.282	3.992	3.995	4.005	3.952	3.923	3.603	3.913	4.236
C90921	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90922	4.408	4.471	4.103	3.894	3.961	3.697	2.906	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90923	4.765	4.460	4.553	4.201	4.221	4.247	4.063	3.940	3.989	4.172
C90924	4.081	4.361	4.383	4.243	4.156	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90925	4.629	4.805	4.615	4.183	4.170	4.061	3.856	3.649	3.875	3.874
C90926	4.289	4.410	4.191	3.999	4.104	3.468	3.384	3.194	3.314	3.515
C90927	4.520	4.714	3.912	3.989	3.945	3.697	3.622	3.369	3.624	3.714
C90928	4.204	4.512	3.925	3.861	3.757	3.962	3.720	3.548	3.479	3.724
C90929	4.617	4.596	3.755	3.768	3.615	4.249	3.425	3.804	NOT TAKEN	NOT TAKEN
C90930	4.649	4.834	4.404	4.117	4.155	4.039	3.881	3.637	4.005	4.367
C90931	4.188	4.526	4.148	3.934	3.527	3.570	3.536	3.410	3.190	3.525

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: MALE 4 - 100 PPM										
C90932	5.156	5.310	4.780	4.406	4.236	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90933	4.279	4.330	3.753	3.867	3.088	3.902	3.430	3.613	3.069	3.587
C90934	4.858	4.840	4.620	4.350	4.817	4.504	4.519	4.155	3.084	4.162
C90935	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90936	4.376	3.991	4.584	4.285	3.531	3.948	3.928	2.485	3.259	4.031
C90937	5.060	5.997	4.847	4.715	4.259	4.233	4.185	3.939	3.887	4.328
C90938	4.751	4.767	4.483	4.160	4.147	3.802	4.008	3.860	0.913	NOT TAKEN
C90939	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90940	4.245	4.735	4.176	4.346	3.893	3.871	2.244	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90941	4.285	4.583	3.794	3.936	3.804	3.580	3.549	3.508	3.230	3.481
C90942	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90943	5.510	5.048	SPILLED	4.391	4.209	4.608	4.657	SPILLED	4.002	3.867
C90944	4.267	4.528	4.254	4.105	3.758	3.817	3.927	3.758	3.611	3.821
C90945	4.435	4.443	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90946	3.180	4.498	2.861	3.554	3.928	4.117	3.358	3.763	4.128	4.204
C90947	4.179	4.680	4.034	3.920	3.900	3.579	3.584	3.587	3.350	3.574
C90948	4.337	4.670	4.071	3.940	4.007	3.798	3.673	3.788	3.703	3.757
C90949	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90950	4.221	4.592	3.969	4.011	3.584	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90951	4.214	4.436	3.837	3.865	3.842	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90952	4.014	4.305	3.625	3.352	2.767	1.492	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90953	3.957	4.184	3.909	3.725	3.736	3.592	3.528	3.517	3.569	3.468
C90954	4.582	4.797	4.353	4.129	3.915	3.681	3.741	2.884	2.134	NOT TAKEN
C90955	4.376	4.561	4.141	3.990	3.850	3.683	3.654	3.752	3.777	3.641
C90956	4.130	4.626	3.948	4.001	3.854	3.911	3.803	3.747	3.282	3.653
C90957	4.526	4.289	4.293	4.519	4.182	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90958	4.459	3.483	4.049	4.082	3.614	3.929	2.009	4.171	4.289	4.078
C90959	4.375	4.580	4.143	3.952	3.764	3.587	3.421	3.549	3.434	3.524
C90960	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90961	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90962	4.289	4.474	4.020	3.887	3.590	3.612	3.455	3.255	1.665	NOT TAKEN

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: MALE 4 - 100 PPM										
C90963	4.010	4.265	3.747	3.691	3.648	3.449	3.213	1.518	2.256	2.672
C90964	4.047	4.162	3.782	3.648	3.668	4.297	3.788	2.508	2.658	SPILLED
C90965	6.322	6.257	5.008	5.442	4.784	4.993	4.932	3.624	SPILLED	SPILLED
C90966	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90967	4.162	4.341	3.903	3.676	3.497	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90968	4.216	4.533	3.833	3.688	3.635	3.321	3.479	3.537	0.052	4.625
C90969	4.305	4.601	4.310	4.098	3.820	3.615	3.593	3.301	3.544	3.308
C90970	4.067	4.280	4.055	3.610	3.747	3.357	3.591	3.265	3.661	3.402

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: MALE 6 - 100 PPM										
C91041	4.154	4.322	4.091	3.875	3.701					
C91042	4.291	4.217	3.896	4.016	3.624					
C91043	4.545	4.691	4.184	3.851	3.602					
C91044	4.599	5.054	4.482	4.454	4.272					
C91045	4.194	4.347	3.838	3.166	NOT TAKEN					
C91046	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN					
C91047	4.673	5.322	4.210	4.723	4.571					
C91048	4.361	4.518	4.195	4.183	4.043					
C91049	4.116	1.039	NOT TAKEN	NOT TAKEN	NOT TAKEN					

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: MALE 6 - 100 PPM										
C91050	4.234	4.707	4.127	3.991	3.904					
C91051	4.568	4.602	4.166	4.318	4.011					
C91052	4.087	4.131	3.874	3.760	3.757					
C91053	4.160	4.278	3.927	4.044	3.922					
C91054	4.110	4.180	3.832	3.652	3.611					
C91055	4.336	4.008	3.948	3.658	3.420					
C91056	4.369	SPILLED	4.143	3.974	3.873					
C91057	4.162	4.475	4.159	4.378	3.904					
C91058	4.208	4.500	4.182	3.862	3.831					
C91059	3.860	4.209	3.685	3.994	4.001					
C91060	4.408	4.579	4.063	4.056	3.811					
C91061	4.007	4.260	3.771	3.872	3.736					
C91062	5.042	4.530	4.054	4.130	3.822					
C91063	4.654	4.531	4.214	4.143	4.088					
C91064	4.261	4.547	4.254	3.919	3.773					
C91065	4.370	4.519	3.990	3.807	3.908					
C91066	4.120	4.192	3.974	3.934	3.764					
C91067	4.347	4.290	3.836	3.741	3.646					
C91068	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN					
C91069	4.439	4.516	3.817	3.798	3.516					
C91070	4.362	4.799	4.630	4.215	3.916					
C91071	3.985	4.126	3.748	3.742	3.509					
C91072	4.184	4.535	4.230	3.882	3.767					
C91073	3.895	4.096	3.911	3.825	3.737					
C91074	4.426	4.631	4.575	4.176	3.885					
C91075	4.330	4.439	4.164	3.976	3.620					
C91076	4.123	4.376	3.956	4.164	3.965					
C91077	4.852	4.920	4.459	3.995	3.761					
C91078	4.161	3.814	3.792	4.225	3.967					
C91079	4.014	4.486	4.037	4.178	3.894					
C91080	4.576	4.461	4.148	4.165	4.130					

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: FEMALE 2 - 3 PPM										
C91191	0.135	0.153	0.159	0.098	SPILLED	0.140	0.123	0.140	0.136	0.123
C91192	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91193	0.221	0.191	0.183	0.163	0.129	0.142	0.147	0.120	0.128	0.130
C91194	0.159	0.175	0.150	0.149	0.132	0.095	0.140	0.131	0.156	0.152
C91195	0.179	0.181	0.146	0.160	0.163	0.137	0.135	0.146	0.139	0.116
C91196	0.139	0.176	0.163	0.142	0.130	0.135	0.138	0.121	0.130	0.119
C91197	0.194	0.210	0.194	0.156	0.135	0.117	0.130	0.124	0.120	0.118
C91198	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91199	0.171	0.184	0.163	0.157	0.152	0.146	0.146	0.138	0.136	0.139
C91200	0.174	0.218	0.158	0.155	0.148	0.132	0.138	0.147	0.150	0.122
C91201	0.178	0.183	0.150	0.146	0.146	0.149	0.120	0.155	0.105	0.137
C91202	0.163	0.172	0.135	0.139	0.144	0.125	0.128	0.131	0.117	0.119
C91203	0.145	0.152	0.141	0.134	0.126	0.109	0.133	0.131	0.119	0.122
C91204	0.172	0.176	0.158	0.179	0.144	0.151	0.095	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91205	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91206	0.164	0.163	0.149	0.155	0.147	0.137	0.147	0.104	0.123	0.181
C91207	0.171	0.173	0.163	0.154	0.155	0.112	0.162	0.134	0.125	0.138
C91208	0.192	0.191	0.161	0.157	0.164	0.144	0.138	0.132	0.113	0.105
C91209	0.215	0.225	0.171	0.156	0.166	0.146	0.139	0.151	0.166	0.195

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: FEMALE 2 - 3 PPM										
C91210	0.179	0.175	0.159	0.138	0.135	0.126	0.141	0.126	0.122	0.124
C91211	0.141	0.155	0.139	0.117	0.119	0.128	0.112	0.123	0.129	0.131
C91212	0.175	0.172	0.159	0.142	0.142	0.148	0.143	0.002	NOT TAKEN	NOT TAKEN
C91213	0.141	0.169	0.154	0.146	0.145	0.117	0.127	0.115	0.109	0.066
C91214	0.178	0.178	0.149	0.144	0.141	0.127	0.136	0.139	0.148	0.149
C91215	0.191	0.195	0.147	0.142	0.204	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91216	0.186	0.182	0.168	0.152	0.143	0.147	0.160	0.173	0.178	0.173
C91217	0.163	0.186	0.180	0.146	0.161	0.140	0.146	0.133	NOT TAKEN	NOT TAKEN
C91218	0.223	0.240	0.236	0.194	0.163	0.204	SPILLED	0.196	SPILLED	SPILLED
C91219	SPILLED	0.261	0.187	0.174	0.150	0.147	0.143	0.135	0.155	0.138
C91220	0.151	0.167	0.143	0.128	0.123	0.122	0.122	0.110	0.121	0.129
C91221	0.176	0.182	0.178	0.157	0.135	0.129	0.136	0.140	0.134	0.132
C91222	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91223	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91224	0.203	0.227	0.181	0.142	0.165	0.158	0.143	0.132	0.140	0.142
C91225	0.177	0.179	0.152	0.162	0.158	0.147	0.151	0.135	0.129	0.139
C91226	0.144	0.165	0.150	0.146	0.146	0.138	0.141	0.137	0.134	0.126
C91227	0.151	0.157	0.142	0.137	0.133	0.128	0.116	0.124	0.120	0.129
C91228	0.176	0.184	0.176	0.161	0.163	SPILLED	0.175	0.163	0.160	0.171
C91229	0.167	0.181	0.165	0.161	0.159	0.144	0.137	0.144	0.142	0.163
C91230	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91231	0.135	0.154	0.160	0.148	0.126	0.134	0.121	0.116	0.115	0.114
C91232	0.178	0.192	0.164	0.170	0.149	0.158	0.154	0.160	0.159	0.158
C91233	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91234	0.119	0.138	0.138	0.127	0.113	0.107	0.108	0.063	NOT TAKEN	NOT TAKEN
C91235	SPILLED	0.255	0.207	0.189	0.156	0.144	0.160	0.148	0.165	0.171
C91236	0.233	0.234	0.211	0.197	0.189	0.178	0.170	0.164	0.166	0.174
C91237	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91238	0.189	0.181	0.164	0.158	0.145	0.146	0.138	0.021	NOT TAKEN	NOT TAKEN
C91239	0.164	0.148	0.159	0.145	0.149	0.132	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91240	0.175	0.164	0.134	0.165	SPILLED	0.116	0.139	0.141	0.156	0.150

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: FEMALE 2 - 3 PPM										
C91241	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91242	0.264	SPILLED	SPILLED	0.183	SPILLED	0.176	0.182	SPILLED	SPILLED	0.153
C91243	0.275	0.213	0.154	0.170	0.133	0.132	0.134	0.150	0.145	0.134
C91244	0.136	0.193	0.169	0.164	0.172	0.166	0.164	0.118	NOT TAKEN	NOT TAKEN
C91245	0.160	0.155	0.154	0.150	0.128	0.123	0.128	0.122	0.119	0.132
C91246	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	0.161	0.169	SPILLED
C91247	0.176	0.192	0.172	0.152	0.148	0.122	0.131	0.079	0.122	0.075
C91248	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91249	0.160	0.162	0.145	0.136	0.127	0.125	0.124	0.117	0.125	0.110
C91250	0.184	0.187	0.161	0.158	0.167	0.169	0.166	0.139	0.142	0.132
GROUP: FEMALE 3 - 30 PPM										
C91251	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91252	1.441	1.602	1.529	1.394	1.307	1.183	1.035	1.135	1.186	1.153
C91253	1.728	1.702	1.465	1.474	1.341	1.103	1.224	1.317	1.291	1.238
C91254	1.684	1.777	1.685	1.538	1.508	1.355	1.353	1.444	1.442	1.356
C91255	1.639	1.746	1.653	1.544	1.478	1.534	1.421	1.295	1.346	1.375
C91256	1.817	1.865	1.712	1.542	1.480	1.554	1.484	1.426	1.510	1.629
C91257	1.753	1.747	1.554	1.540	1.479	1.447	1.353	1.344	1.179	1.240
C91258	1.670	1.776	1.641	1.424	1.295	1.353	1.394	1.307	1.371	1.320
C91259	1.636	1.757	1.611	1.285	1.254	0.788	0.941	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91260	1.511	1.592	1.490	1.385	1.296	1.269	1.257	1.078	0.543	1.068
C91261	1.816	1.926	1.839	1.752	1.612	1.590	1.516	1.446	1.337	1.388
C91262	1.858	1.947	1.643	1.694	1.654	1.567	1.518	1.456	1.611	1.553
C91263	1.622	1.647	1.563	1.466	1.387	1.333	1.298	0.832	1.716	NOT TAKEN
C91264	1.670	1.845	1.664	1.634	1.501	1.425	1.371	1.337	1.337	1.304
C91265	1.736	1.572	1.434	1.649	1.521	1.281	1.495	1.344	1.251	1.329
C91266	1.961	1.959	1.699	1.631	1.506	1.481	1.485	1.392	1.500	1.488
C91267	1.741	1.868	1.618	1.638	1.564	1.643	1.863	1.670	NOT TAKEN	NOT TAKEN
C91268	1.533	1.545	1.433	1.361	1.349	1.160	1.261	1.170	1.255	1.435

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: FEMALE 3 - 30 PPM										
C91269	1.548	1.876	1.622	1.563	1.514	1.577	1.366	1.321	1.369	1.293
C91270	1.861	2.021	1.745	1.135	1.769	1.407	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91271	1.834	2.271	1.954	1.710	1.657	1.608	1.660	1.472	1.630	1.297
C91272	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91273	1.803	1.826	1.846	1.700	1.555	1.535	1.426	1.501	1.594	1.558
C91274	1.514	1.604	1.480	1.392	1.389	1.461	1.298	1.317	1.205	NOT TAKEN
C91275	1.566	1.667	1.663	1.360	1.284	1.199	1.066	SPILLED	1.986	NOT TAKEN
C91276	2.030	2.059	1.820	1.834	1.702	1.663	1.685	1.557	1.645	1.642
C91277	1.821	1.795	1.652	1.561	SPILLED	1.507	1.542	1.479	1.461	NOT TAKEN
C91278	1.779	1.799	1.591	1.441	1.413	1.359	1.355	1.425	1.398	1.373
C91279	1.783	1.777	1.620	1.497	1.408	1.475	SPILLED	1.371	1.759	1.507
C91280	1.785	1.846	1.621	1.505	1.540	1.510	1.456	1.359	1.408	1.352
C91281	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91282	1.578	1.824	1.476	0.857	0.144	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91283	1.678	1.658	1.606	1.404	1.418	1.374	1.306	1.114	1.224	1.282
C91284	1.829	1.699	1.731	1.258	1.362	1.380	1.213	1.240	1.457	1.296
C91285	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91286	2.448	2.337	2.000	1.808	1.842	SPILLED	1.677	1.603	1.788	1.532
C91287	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91288	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91289	1.785	2.125	1.606	1.468	1.326	1.108	1.313	1.964	1.350	2.053
C91290	2.119	2.137	1.971	1.851	1.857	0.902	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91291	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91292	1.447	1.676	1.457	1.388	1.307	1.347	1.305	1.133	1.203	1.165
C91293	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91294	1.580	1.797	1.632	1.610	1.200	1.480	1.336	1.278	1.446	1.608
C91295	1.528	1.735	1.646	1.652	1.512	1.352	1.391	1.364	1.264	1.366
C91296	1.846	2.144	1.933	1.788	1.722	1.641	1.562	1.612	1.629	1.723
C91297	2.111	SPILLED	1.681	1.677	1.538	1.623	1.623	1.410	1.419	1.456
C91298	1.930	2.881	2.346	2.127	SPILLED	SPILLED	SPILLED	1.641	1.595	1.769
C91299	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: FEMALE 3 - 30 PPM										
C91300	1.681	1.867	1.594	1.500	1.373	1.393	1.124	1.055	1.193	1.319
C91301	1.295	1.632	1.457	1.390	1.385	1.289	1.194	1.203	1.311	1.231
C91302	1.796	1.843	1.742	1.716	1.487	0.777	1.866	1.949	1.386	NOT TAKEN
C91303	1.338	1.409	1.402	1.296	1.248	1.221	1.074	1.252	1.203	1.068
C91304	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91305	1.820	1.782	1.677	1.492	1.511	1.353	1.245	1.311	1.302	1.232
C91306	1.955	2.076	2.018	1.799	1.666	1.791	1.746	1.541	1.591	1.559
C91307	1.625	1.702	1.486	1.575	1.411	1.473	1.474	1.360	1.453	1.366
C91308	SPILLED	2.500	2.205	2.002	1.785	1.645	1.450	1.389	1.449	NOT TAKEN
C91309	1.646	1.727	1.591	1.516	1.409	1.371	1.296	1.166	NOT TAKEN	NOT TAKEN
C91310	1.693	1.847	1.719	1.679	1.532	1.449	1.417	1.315	1.392	1.351
GROUP: FEMALE 4 - 100 PPM										
C91311	7.211	7.702	6.279	6.410	5.969	5.764	5.863	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91312	6.001	6.303	5.618	5.742	5.387	5.298	5.369	5.274	5.541	5.519
C91313	7.172	6.964	6.342	6.063	5.660	5.519	5.323	4.902	5.095	5.069
C91314	9.844	10.963	7.828	10.274	7.273	8.336	SPILLED	SPILLED	8.267	4.753
C91315	6.453	6.951	6.298	6.150	5.927	5.554	5.356	5.289	5.062	4.866
C91316	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91317	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91318	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91319	6.521	6.549	6.008	5.570	5.383	5.418	5.229	4.839	4.951	NOT TAKEN
C91320	6.415	6.408	5.739	5.748	5.552	5.362	5.037	4.827	4.959	4.666
C91321	6.599	7.370	6.557	6.092	5.950	5.479	5.400	4.861	5.552	4.807
C91322	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91323	7.249	7.542	6.994	6.459	5.753	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91324	5.826	6.367	5.740	5.752	5.599	5.104	5.342	5.640	5.650	5.628
C91325	5.832	6.212	5.384	5.066	4.426	5.060	5.296	5.146	5.628	5.088
C91326	7.175	7.578	6.624	6.864	6.597	6.404	5.970	5.568	6.180	5.517
C91327	6.025	6.477	5.511	5.921	5.750	5.647	5.495	5.260	5.414	5.857

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: FEMALE 4 - 100 PPM										
C91328	5.154	6.601	6.455	6.140	5.575	4.503	5.712	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91329	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91330	6.295	6.903	6.177	5.795	5.314	5.672	5.234	4.687	4.819	4.553
C91331	5.410	5.850	5.144	4.718	4.629	4.533	4.468	4.034	4.106	3.885
C91332	6.400	7.012	6.413	5.802	5.906	5.846	SPILLED	5.683	5.937	5.650
C91333	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91334	6.108	6.132	5.301	5.095	4.675	4.346	4.096	4.244	4.429	4.706
C91335	5.717	6.483	5.724	5.438	5.029	4.521	5.054	4.839	4.823	5.160
C91336	15.370	12.687	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	9.520	SPILLED
C91337	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91338	5.288	6.185	4.772	5.542	5.219	4.667	5.103	5.083	5.637	5.117
C91339	6.436	6.571	5.694	5.728	5.459	5.122	5.014	5.310	5.209	5.033
C91340	5.244	6.134	5.027	5.716	5.641	5.052	5.113	4.416	4.852	4.389
C91341	6.502	6.975	5.625	6.078	6.028	5.787	5.976	5.518	5.696	5.667
C91342	6.086	6.316	5.357	5.297	5.369	4.270	4.831	5.106	4.953	4.074
C91343	6.233	6.475	5.758	5.957	5.818	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91344	5.680	5.997	5.793	3.641	4.441	4.556	5.006	4.463	4.802	4.629
C91345	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91346	5.698	6.017	5.345	5.072	4.802	4.871	4.451	4.135	3.742	NOT TAKEN
C91347	SPILLED	6.457	5.951	6.175	5.906	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91348	6.033	7.057	6.996	7.242	6.811	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91349	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	8.024	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91350	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91351	5.311	5.871	5.797	4.979	5.294	4.897	5.045	4.640	4.576	4.681
C91352	6.030	6.382	5.477	5.703	5.491	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91353	6.946	7.090	5.674	6.234	5.627	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91354	5.933	6.403	5.843	5.462	5.472	5.332	5.013	4.375	4.673	5.143
C91355	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91356	SPILLED	8.078	7.435	6.591	SPILLED	7.176	6.710	5.539	5.978	5.211
C91357	5.551	5.870	5.242	5.205	5.299	5.041	5.155	5.263	4.880	5.334
C91358	5.872	7.275	6.226	6.296	5.949	5.366	5.379	4.992	4.724	5.166

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: FEMALE 4 - 100 PPM										
C91359	6.760	8.135	6.376	6.180	5.954	5.641	5.308	5.035	5.578	5.692
C91360	6.999	7.732	6.747	6.306	6.182	5.942	6.010	5.599	5.512	5.389
C91361	5.227	5.447	5.327	5.446	5.195	5.471	5.519	5.231	4.740	4.605
C91362	5.875	6.547	5.859	5.160	5.315	4.421	4.577	4.782	4.896	4.728
C91363	6.081	5.679	5.290	5.229	4.976	4.816	4.903	4.750	4.644	4.636
C91364	5.943	6.650	5.633	5.649	5.555	5.275	5.400	4.783	5.094	5.191
C91365	SPILLED	SPILLED	10.673	11.678	10.829	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91366	5.898	6.333	5.493	5.513	5.507	5.116	5.114	4.471	4.659	4.885
C91367	7.080	7.140	5.879	5.628	6.035	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91368	6.113	6.569	5.582	6.231	6.474	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91369	6.080	6.929	5.710	5.956	5.530	5.402	5.659	5.009	5.362	5.160
C91370	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91371	6.038	6.465	5.804	7.947	5.582	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91372	5.429	5.821	4.939	5.191	4.677	4.531	4.814	4.318	4.621	4.406
C91373	6.868	7.308	6.479	6.317	6.720	5.749	5.684	5.033	0.106	NOT TAKEN
C91374	5.487	5.912	5.341	5.137	5.303	4.447	4.340	4.405	4.457	4.441
C91375	5.692	6.397	5.847	6.034	5.732	5.173	5.452	4.991	5.646	5.404
C91376	5.986	6.344	5.807	5.785	5.536	5.400	5.250	5.184	3.368	5.347
C91377	6.223	5.755	4.945	5.580	5.360	5.239	4.536	4.082	4.227	NOT TAKEN
C91378	5.794	6.385	5.172	5.597	5.592	6.696	6.604	7.931	7.810	SPILLED
C91379	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91380	5.664	6.384	5.899	6.055	5.710	5.745	5.533	5.225	5.406	5.563

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: FEMALE 6 - 100 PPM										
C91451	7.546	6.725	5.866	5.549	5.721					
C91452	6.048	6.491	5.883	5.374	5.170					
C91453	6.288	6.862	5.923	5.400	5.281					
C91454	6.105	6.330	5.704	5.465	5.329					
C91455	6.200	6.394	5.745	5.671	5.400					
C91456	5.712	6.548	5.659	5.502	5.334					
C91457	5.827	6.303	5.599	5.257	5.026					
C91458	6.380	6.868	5.973	6.142	5.518					
C91459	SPILLED	SPILLED	9.704	SPILLED	SPILLED					
C91460	6.228	6.956	5.746	5.711	5.040					
C91461	4.868	5.558	4.994	4.900	4.489					
C91462	5.760	6.458	5.729	5.193	5.087					
C91463	6.151	6.348	5.462	5.546	5.530					
C91464	6.444	7.186	6.253	6.472	6.484					
C91465	6.634	7.466	6.629	6.182	5.836					
C91466	5.193	6.089	4.929	5.043	4.992					
C91467	6.450	7.310	6.628	6.562	6.196					
C91468	SPILLED	SPILLED	7.736	6.463	6.992					
C91469	6.067	6.469	5.624	5.562	5.710					
C91470	6.307	6.919	5.626	5.913	5.253					
C91471	6.143	6.796	5.729	5.661	5.099					
C91472	5.415	5.910	5.206	5.266	4.557					
C91473	5.937	7.451	5.341	5.162	5.513					
C91474	6.547	7.305	5.422	5.817	5.525					
C91475	6.474	6.751	6.054	5.860	5.437					
C91476	6.303	6.754	5.833	5.875	5.401					

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: FEMALE 6 - 100 PPM										
C91477	6.347	6.578	5.809	5.759	5.181					
C91478	6.328	6.855	6.338	6.547	5.813					
C91479	5.970	6.891	5.681	5.222	5.327					
C91480	6.481	6.844	6.362	6.188	5.442					
C91481	5.905	6.613	5.907	5.957	5.639					
C91482	6.231	6.701	5.592	6.022	5.478					
C91483	6.163	6.510	5.597	5.568	3.792					
C91484	6.023	5.815	5.908	5.396	5.128					
C91485	6.196	6.548	5.913	5.456	4.401					
C91486	6.293	6.332	5.878	5.988	5.632					
C91487	5.744	6.505	5.407	5.865	5.354					
C91488	5.554	5.672	5.189	5.284	4.647					
C91489	6.367	6.950	5.867	6.073	5.583					
C91490	SPILLED	6.926	6.031	6.002	5.507					

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: MALE 2 - 3 PPM								
C90781	0.100	0.099	0.098	0.094	0.093	0.092	0.097	0.085
C90782	0.103	0.094	SPILLED	0.092	0.098	0.079	0.114	0.112
C90783	0.109	0.111	0.056	0.106	0.102	0.093	0.092	0.086
C90784	0.101	0.107	0.107	0.094	0.074	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90785	0.100	0.103	0.118	0.110	0.117	0.106	0.083	0.026
C90786	0.102	0.111	0.109	0.096	0.095	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90787	0.101	0.104	0.097	0.093	0.084	0.091	0.064	0.094
C90788	0.090	0.088	0.096	0.082	0.084	0.077	0.077	0.075
C90789	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90790	0.072	0.039	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90791	0.111	0.116	0.112	0.103	0.105	0.101	0.093	0.092
C90792	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90793	0.081	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90794	0.065	SPILLED	SPILLED	SPILLED	0.113	SPILLED	0.094	SPILLED
C90795	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90796	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90797	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90798	0.112	0.114	0.108	0.086	0.085	0.090	0.020	NOT TAKEN
C90799	0.111	0.107	0.101	0.091	0.098	0.094	0.096	0.090
C90800	0.104	0.107	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90801	0.100	SPILLED	0.128	0.112	0.113	0.105	NOT TAKEN	NOT TAKEN
C90802	0.089	0.003	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90803	0.070	0.124	0.191	0.194	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90804	0.097	0.103	0.095	0.090	0.089	0.079	0.063	0.051
C90805	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90806	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90807	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90808	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90809	0.101	SPILLED	SPILLED	SPILLED	SPILLED	0.136	0.114	SPILLED
C90810	SPILLED	0.098	0.097	0.088	0.085	0.088	0.083	0.079
C90811	0.105	0.104	0.100	0.091	0.096	0.088	0.092	0.090

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: MALE 2 - 3 PPM								
C90812	0.107	0.107	0.109	0.104	0.099	0.084	0.076	0.078
C90813	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90814	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90815	0.105	0.100	0.097	0.090	0.095	0.080	0.063	0.076
C90816	0.086	0.097	0.027	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90817	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90818	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90819	0.089	0.102	0.100	0.087	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90820	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90821	0.096	0.096	0.098	0.092	0.091	0.085	NOT TAKEN	NOT TAKEN
C90822	0.000	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90823	0.095	0.097	0.103	0.087	0.073	0.086	0.089	0.096
C90824	0.102	0.015	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90825	0.102	0.101	0.105	0.099	0.066	0.095	NOT TAKEN	NOT TAKEN
C90826	0.116	0.114	0.121	0.102	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90827	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90828	0.112	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90829	0.097	0.088	0.092	0.082	0.078	0.077	0.087	0.059
C90830	0.102	0.102	0.110	0.090	0.095	0.082	0.088	0.078
C90831	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90832	0.105	0.086	0.112	0.094	0.080	0.096	0.098	0.090
C90833	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90834	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90835	0.116	0.119	0.103	0.114	0.112	0.100	0.094	0.101
C90836	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90837	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90838	0.092	0.090	0.091	0.086	0.079	0.085	0.086	0.083
C90839	0.086	0.081	0.119	SPILLED	0.080	0.095	NOT TAKEN	NOT TAKEN
C90840	0.086	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED

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Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: MALE 3 - 30 PPM								
C90841	1.058	1.089	0.975	0.850	0.664	0.317	NOT TAKEN	NOT TAKEN
C90842	1.026	1.065	1.071	0.866	0.904	0.881	0.949	0.994
C90843	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90844	1.173	1.105	1.142	1.055	1.048	1.009	0.859	0.747
C90845	0.644	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90846	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90847	1.101	1.108	0.871	0.854	0.748	0.249	NOT TAKEN	NOT TAKEN
C90848	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90849	0.669	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90850	1.025	1.066	1.007	0.995	0.788	0.613	0.949	0.815
C90851	1.065	1.021	1.016	0.895	0.934	0.966	0.925	0.876
C90852	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90853	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90854	1.117	1.079	1.046	0.938	0.887	0.851	0.868	0.617
C90855	0.948	1.028	0.956	0.856	0.889	0.821	0.840	0.865
C90856	0.947	0.978	1.009	0.893	0.899	0.826	0.735	0.815
C90857	1.064	1.117	1.212	1.087	1.061	0.875	0.654	NOT TAKEN
C90858	0.955	1.123	1.000	0.928	0.800	SPILLED	1.111	0.811
C90859	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90860	1.306	1.249	1.275	1.112	1.073	1.066	1.062	1.119
C90861	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90862	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90863	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90864	0.984	1.062	1.048	0.945	0.943	0.872	0.956	0.978
C90865	1.095	1.059	1.068	1.007	0.967	0.861	0.875	0.840
C90866	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90867	1.324	1.404	1.286	1.231	1.174	1.112	1.170	1.192
C90868	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90869	1.033	1.019	1.050	0.975	0.892	0.816	0.770	0.888
C90870	0.726	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90871	0.901	1.081	0.995	0.928	0.941	0.819	0.887	0.889

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Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: MALE 3 - 30 PPM								
C90872	1.112	1.095	1.150	0.784	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90873	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90874	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90875	1.020	1.017	1.038	0.973	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90876	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90877	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90878	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90879	0.788	0.334	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90880	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90881	1.043	1.017	0.979	0.974	0.962	0.858	0.887	0.840
C90882	0.995	1.059	1.052	0.954	0.986	0.876	0.820	0.827
C90883	1.186	1.139	1.400	1.106	1.042	1.188	0.907	1.051
C90884	1.414	SPILLED	1.306	1.169	1.279	1.091	1.062	0.570
C90885	0.979	0.902	0.933	0.782	0.966	SPILLED	1.087	0.811
C90886	1.092	0.869	0.590	0.670	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90887	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90888	0.983	0.009	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90889	1.063	0.973	1.106	0.983	1.008	0.905	0.835	0.839
C90890	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90891	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90892	0.010	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90893	1.040	1.047	0.990	0.939	0.965	0.922	0.883	0.884
C90894	1.026	0.981	1.035	0.881	0.872	0.835	NOT TAKEN	NOT TAKEN
C90895	1.029	1.065	1.046	0.954	0.905	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90896	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90897	1.008	0.975	1.022	0.938	0.952	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90898	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90899	1.148	1.104	1.100	1.134	1.032	0.918	0.623	NOT TAKEN
C90900	1.072	1.095	1.039	0.976	1.027	0.952	0.906	0.957

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Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: MALE 4 - 100 PPM								
C90901	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90902	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90903	3.400	3.374	3.591	3.085	3.023	2.914	2.440	NOT TAKEN
C90904	3.836	3.813	3.708	3.413	3.122	3.169	3.301	2.915
C90905	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90906	3.122	3.437	3.308	3.340	3.369	3.254	2.042	NOT TAKEN
C90907	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90908	3.597	3.585	3.829	3.259	3.152	SPILLED	3.180	2.873
C90909	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90910	3.316	3.473	3.543	3.033	3.319	2.284	3.206	3.055
C90911	3.451	3.723	3.607	3.274	3.095	3.002	3.229	3.171
C90912	3.395	2.930	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90913	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90914	3.430	3.481	3.239	2.570	2.256	1.649	NOT TAKEN	NOT TAKEN
C90915	3.585	3.530	3.366	3.247	3.072	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90916	3.836	3.749	3.580	3.096	3.211	2.961	2.973	2.941
C90917	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90918	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90919	3.611	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90920	4.025	4.026	3.926	3.313	3.875	3.785	3.121	NOT TAKEN
C90921	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90922	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90923	4.148	3.214	1.397	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90924	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90925	3.909	3.712	3.397	2.998	0.563	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90926	3.489	3.449	3.396	2.700	3.293	1.930	SPILLED	SPILLED
C90927	3.740	3.693	3.564	3.373	2.756	2.962	3.202	3.110
C90928	3.602	3.776	0.811	1.802	4.520	3.615	3.643	4.724
C90929	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90930	3.512	3.768	3.758	3.911	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90931	3.694	3.604	3.005	3.318	3.275	2.572	NOT TAKEN	NOT TAKEN

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

GROUP: MALE 4 - 100 PPM

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
C90932	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90933	3.588	3.236	3.219	3.817	3.204	3.605	3.223	2.777
C90934	4.069	SPILLED	3.928	3.776	3.406	3.286	2.523	NOT TAKEN
C90935	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90936	4.115	SPILLED	3.949	3.713	4.001	3.589	2.686	NOT TAKEN
C90937	4.219	4.148	4.297	3.765	3.415	3.342	3.239	NOT TAKEN
C90938	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90939	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90940	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90941	3.007	2.096	1.865	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90942	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90943	3.157	SPILLED	3.844	2.059	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90944	3.687	3.821	3.750	3.576	3.284	3.284	3.526	3.169
C90945	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90946	2.223	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90947	3.721	3.393	3.697	3.807	3.655	3.881	4.149	4.503
C90948	3.994	4.342	3.796	3.257	3.450	SPILLED	3.386	SPILLED
C90949	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90950	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90951	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90952	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90953	3.550	3.469	3.383	3.064	3.148	2.821	3.009	3.023
C90954	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90955	3.471	3.837	3.715	3.311	3.385	2.903	2.977	2.975
C90956	3.868	3.968	3.623	3.346	3.081	2.835	2.781	SPILLED
C90957	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90958	1.121	3.261	SPILLED	3.521	2.898	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90959	3.396	3.681	2.549	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90960	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90961	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90962	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: MALE 4 - 100 PPM								
C90963	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90964	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90965	SPILLED	4.972	SPILLED	4.747	4.533	4.151	4.503	4.424
C90966	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90967	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90968	3.724	SPILLED	1.781	3.413	2.312	2.419	SPILLED	3.372
C90969	3.497	3.958	3.228	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C90970	3.473	3.508	3.585	2.943	3.231	3.351	NOT TAKEN	NOT TAKEN

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Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: FEMALE 2 - 3 PPM								
C91191	0.118	0.115	0.112	0.115	0.133	0.075	NOT TAKEN	NOT TAKEN
C91192	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91193	0.111	SPILLED	0.129	0.067	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91194	0.159	SPILLED	0.144	0.122	0.130	0.112	0.060	NOT TAKEN
C91195	0.124	0.122	0.126	0.109	0.078	0.049	NOT TAKEN	NOT TAKEN
C91196	0.105	0.018	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91197	0.114	0.129	0.126	0.124	0.123	0.109	0.103	0.107
C91198	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91199	0.125	0.143	0.124	0.131	0.079	0.117	NOT TAKEN	NOT TAKEN
C91200	0.143	0.147	0.140	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91201	0.143	0.142	0.129	0.135	0.125	0.089	0.064	0.132
C91202	0.125	0.123	0.080	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91203	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91204	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91205	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91206	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91207	0.144	0.158	0.144	0.135	0.048	0.144	0.133	0.140
C91208	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91209	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN

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Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: FEMALE 2 - 3 PPM								
C91210	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91211	0.118	0.128	0.120	0.120	0.128	0.113	0.107	0.099
C91212	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91213	0.122	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91214	0.145	0.142	0.111	0.132	0.142	0.105	NOT TAKEN	NOT TAKEN
C91215	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91216	0.184	0.167	SPILLED	SPILLED	0.147	0.158	0.160	0.160
C91217	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91218	0.196	0.140	0.073	0.119	0.145	SPILLED	NOT TAKEN	NOT TAKEN
C91219	0.162	0.135	0.072	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91220	0.140	0.137	0.123	0.102	0.127	0.115	0.096	0.082
C91221	0.132	0.130	0.126	0.123	0.117	0.118	0.101	0.091
C91222	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91223	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91224	0.135	0.136	0.144	0.134	0.101	0.114	NOT TAKEN	NOT TAKEN
C91225	0.138	0.053	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91226	0.110	0.087	0.174	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91227	0.136	0.124	0.116	0.098	0.105	0.109	0.106	0.109
C91228	0.182	SPILLED	0.169	0.101	0.084	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91229	0.099	0.181	0.118	0.117	0.036	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91230	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91231	0.117	0.123	0.123	0.089	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91232	0.153	0.162	0.160	0.163	0.155	0.136	0.142	0.119
C91233	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91234	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91235	SPILLED	SPILLED	SPILLED	0.130	0.135	0.129	0.114	0.116
C91236	0.166	0.178	0.173	0.130	0.140	0.131	0.125	0.112
C91237	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91238	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91239	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91240	0.146	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: FEMALE 2 - 3 PPM								
C91241	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91242	SPILLED	SPILLED	SPILLED	0.141	0.129	0.131	0.120	0.124
C91243	0.147	0.143	0.148	0.123	0.114	0.111	0.090	0.091
C91244	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91245	0.132	0.122	0.124	0.119	0.079	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91246	0.131	0.160	0.115	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91247	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91248	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91249	0.122	0.117	0.109	0.094	0.015	0.022	NOT TAKEN	NOT TAKEN
C91250	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
GROUP: FEMALE 3 - 30 PPM								
C91251	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91252	1.154	1.257	1.165	1.128	1.158	0.983	0.933	0.957
C91253	1.274	1.360	1.350	1.206	1.025	1.044	0.994	1.014
C91254	1.347	1.309	1.405	1.344	1.156	1.374	1.197	1.372
C91255	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91256	SPILLED	1.699	1.735	1.542	1.427	1.103	1.111	1.268
C91257	1.291	1.319	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91258	1.139	1.558	0.137	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91259	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91260	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91261	1.283	1.342	1.182	1.034	1.113	0.851	NOT TAKEN	NOT TAKEN
C91262	1.410	1.443	1.319	0.014	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91263	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91264	1.344	1.634	1.478	1.374	1.305	1.183	1.071	0.816
C91265	1.511	1.362	1.360	1.100	0.480	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91266	1.437	1.279	1.332	1.188	1.085	1.044	0.496	NOT TAKEN
C91267	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91268	1.187	1.325	1.094	1.224	1.146	0.973	NOT TAKEN	NOT TAKEN

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Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: FEMALE 3 - 30 PPM								
C91269	0.509	0.485	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91270	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91271	1.471	1.131	0.923	1.268	1.610	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91272	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91273	1.616	1.211	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91274	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91275	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91276	1.556	1.801	1.622	1.577	1.447	1.574	NOT TAKEN	NOT TAKEN
C91277	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91278	1.427	1.357	1.326	1.208	1.312	1.266	1.033	1.101
C91279	1.403	SPILLED	SPILLED	1.532	SPILLED	1.184	1.186	1.156
C91280	1.414	1.399	1.344	1.317	1.332	0.717	NOT TAKEN	NOT TAKEN
C91281	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91282	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91283	1.249	1.458	1.186	0.021	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91284	1.316	1.387	1.344	1.204	1.234	1.107	NOT TAKEN	NOT TAKEN
C91285	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91286	1.592	1.571	1.603	1.308	1.375	1.347	1.303	1.241
C91287	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91288	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91289	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91290	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91291	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91292	1.170	1.140	1.201	1.037	1.061	1.158	0.939	0.966
C91293	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91294	1.617	1.602	1.544	SPILLED	1.452	1.388	1.296	1.171
C91295	1.309	1.470	1.277	1.158	1.311	1.146	1.054	0.688
C91296	1.599	1.037	1.027	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91297	1.396	1.492	1.397	1.574	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91298	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91299	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN

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Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: FEMALE 3 - 30 PPM								
C91300	1.609	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91301	1.111	1.159	1.258	1.154	0.988	0.927	0.825	0.919
C91302	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91303	1.162	1.148	1.057	0.904	1.073	0.905	0.805	0.887
C91304	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91305	1.226	1.106	1.098	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91306	1.590	1.470	1.492	1.584	1.327	1.243	1.293	NOT TAKEN
C91307	1.518	1.445	1.288	1.316	1.158	1.036	0.903	0.663
C91308	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91309	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91310	1.394	1.432	1.448	1.340	1.139	1.198	1.214	1.210
GROUP: FEMALE 4 - 100 PPM								
C91311	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91312	5.607	5.508	5.054	4.772	4.349	1.204	NOT TAKEN	NOT TAKEN
C91313	4.665	4.980	3.155	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91314	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91315	5.272	5.640	SPILLED	SPILLED	4.906	4.704	4.552	4.102
C91316	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91317	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91318	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91319	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91320	4.179	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91321	4.895	4.910	4.521	3.429	3.414	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91322	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91323	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91324	6.020	5.883	5.576	4.321	5.181	4.641	4.919	4.451
C91325	4.921	5.638	4.780	4.607	4.234	3.528	2.077	NOT TAKEN
C91326	5.413	4.964	5.509	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91327	5.652	5.630	5.666	4.769	5.361	4.677	4.196	3.803

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: FEMALE 4 - 100 PPM								
C91328	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91329	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91330	4.909	3.707	2.034	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91331	1.577	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91332	8.815	SPILLED	6.333	4.840	4.953	5.772	4.228	4.554
C91333	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91334	4.748	4.963	4.469	4.447	3.777	4.426	6.315	NOT TAKEN
C91335	4.938	5.278	5.079	4.675	4.467	3.973	3.580	3.832
C91336	SPILLED	SPILLED	SPILLED	SPILLED	9.324	SPILLED	8.380	SPILLED
C91337	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91338	5.327	5.224	5.631	5.341	4.779	4.337	4.655	3.730
C91339	5.381	5.762	5.057	4.533	2.935	4.329	NOT TAKEN	NOT TAKEN
C91340	4.894	5.416	4.897	4.774	4.794	4.523	3.578	6.725
C91341	5.767	5.314	5.778	5.539	4.997	5.301	4.614	5.326
C91342	4.815	4.582	4.907	3.818	4.202	4.152	3.868	3.815
C91343	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91344	4.958	5.446	4.483	4.355	3.786	2.612	3.636	NOT TAKEN
C91345	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91346	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91347	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91348	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91349	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91350	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91351	4.206	4.406	3.831	3.888	1.996	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91352	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91353	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91354	5.533	5.472	5.711	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91355	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91356	6.264	6.306	5.418	4.793	4.616	4.568	5.619	3.469
C91357	5.199	5.060	4.820	4.583	4.261	4.472	4.291	4.049
C91358	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: FEMALE 4 - 100 PPM								
C91359	5.387	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91360	5.745	6.174	5.689	4.839	5.108	4.921	4.791	4.639
C91361	5.029	4.834	4.611	4.119	4.418	4.177	4.324	3.806
C91362	4.507	4.396	4.629	4.187	3.599	3.531	3.279	3.052
C91363	4.608	4.098	4.900	4.413	4.000	SPILLED	NOT TAKEN	NOT TAKEN
C91364	4.923	5.328	4.681	4.436	5.325	5.001	7.263	NOT TAKEN
C91365	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91366	4.338	4.485	4.460	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91367	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91368	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91369	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91370	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91371	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91372	4.549	4.796	4.891	4.053	4.206	3.622	3.919	3.703
C91373	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91374	4.887	4.976	4.945	4.266	2.882	1.436	NOT TAKEN	NOT TAKEN
C91375	5.701	3.202	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91376	5.011	5.457	5.338	4.796	4.909	4.769	5.007	4.461
C91377	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91378	7.449	SPILLED	SPILLED	7.824	8.874	SPILLED	8.630	5.823
C91379	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C91380	5.492	5.575	6.558	5.383	5.884	6.438	6.054	6.587

APPENDIX 5

Individual Clinical Hematology Data
Individual Clinical Chemistry Data
Individual Clinical Urinalysis Data
Individual Urine Chemistry Data

Appendix 5

Individual Clinical Hematology Data

Males Week 8

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
Group: 1	Dose Level: 0		Dosage Unit: ppm				
C90717	8.08	15.4	45.1	55.9	19.1	34.1	1302
C90718	8.58	15.5	46.6	54.2	18.1	33.4	1300
C90737	7.91	14.5	42.6	53.9	18.3	34.0	1407
C90756	8.39	15.6	44.5	53.0	18.6	35.1	1106
C90769	8.37	15.3	44.8	53.5	18.2	34.1	1229
MEAN	8.27	15.3	44.7	54.1	18.5	34.1	1269
S.D.	.267	.44	1.43	1.10	.40	.61	111.0
N	5	5	5	5	5	5	5
Group: 5	Dose Level: 300		Dosage Unit: ppm				
C90971	7.34	13.4	38.3	52.1	18.2	34.9	1279
C90972	6.28	12.2	36.2	57.7	19.4	33.6	1042
C90988	6.35	12.3	35.6	56.1	19.5	34.7	989
C90996	5.93	12.0	35.2	59.2	20.3	34.2	1042
C91017	7.17	13.4	40.3	56.2	18.6	33.2	1106
MEAN	6.61	12.7	37.1	56.3	19.2	34.1	1092
S.D.	.609	.68	2.14	2.65	.82	.72	112.7
N	5	5	5	5	5	5	5

Appendix 5

Individual Clinical Hematology Data

Males Week 8

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
Group: 1	Dose Level: 0		Dosage Unit: ppm								
C90717	7.9	1.1	5.9	.8	.1	.0	14	74	11	2	0
C90718	5.4	.7	4.2	.4	.1	.0	13	79	7	1	0
C90737	14.1	1.0	13.0	.0	.1	.0	7	92	0	1	0
C90756	7.4	1.8	5.0	.5	.2	.0	24	68	6	2	0
C90769	7.9	1.3	6.2	.4	.1	.0	16	78	5	1	0
MEAN	8.5	1.2	6.9	.4	.1	.0	15	78	6	1	0
S.D.	3.27	.41	3.52	.29	.04	.00	6.1	8.8	4.0	.5	.0
N	5	5	5	5	5	5	5	5	5	5	5
Group: 5	Dose Level: 300		Dosage Unit: ppm								
C90971	7.3	.9	6.2	.2	.1	.0	12	84	2	1	0
C90972	5.2	.6	4.1	.4	.0	.0	12	80	7	1	0
C90988	8.5	.9	7.1	.5	.1	.0	11	83	6	1	0
C90996	7.7	1.0	6.7	.0	.0	.0	12	87	0	1	0
C91017	3.7	1.4	2.1	.2	.0	.0	38	57	4	0	0
MEAN	6.5	1.0	5.2	.3	.0	.0	17	78	4	1	0
S.D.	1.98	.29	2.10	.19	.05	.00	11.7	12.1	2.9	.4	.0
N	5	5	5	5	5	5	5	5	5	5	5

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Individual Clinical Hematology Data

Males Week 8

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	ANISO	POLY	POIK	HYPO	TOXNEUT
Group: 1	Dose Level: 0		Dosage Unit: ppm		
C90717	-	-	-	-	-
C90718	-	-	-	-	-
C90737	-	-	-	-	-
C90756	-	-	-	-	-
C90769	-	-	-	-	-
Group: 5	Dose Level: 300		Dosage Unit: ppm		
C90971	-	-	-	-	-
C90972	-	-	-	-	-
C90988	-	-	-	-	-
C90996	-	-	-	-	-
C91017	-	-	-	-	-

Appendix 5

Individual Clinical Hematology Data

Females Week 8

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
Group: 1	Dose Level: 0		Dosage Unit: ppm				
C91126	8.18	14.7	44.2	54.0	17.9	33.2	1027
C91140	8.11	15.2	45.2	55.7	18.7	33.6	1117
C91145	7.56	14.4	41.9	55.3	19.1	34.4	1205
C91162	7.46	14.3	41.8	56.0	19.1	34.2	1022
C91163	7.85	15.1	44.8	57.1	19.3	33.8	1199
MEAN	7.83	14.7	43.6	55.6	18.8	33.8	1114
S.D.	.321	.40	1.62	1.13	.56	.48	88.8
N	5	5	5	5	5	5	5
Group: 5	Dose Level: 300		Dosage Unit: ppm				
C91393	6.18	11.8	34.5	55.9	19.0	34.0	1077
C91394	6.93	13.3	38.8	56.0	19.3	34.4	1305
C91404	6.82	12.7	36.8	54.0	18.6	34.5	1049
C91415	7.09	13.1	38.6	54.5	18.4	33.8	1016
C91438	7.15	14.0	41.0	57.3	19.5	34.1	1102
MEAN	6.83	13.0	37.9	55.5	19.0	34.2	1110
S.D.	.388	.81	2.43	1.31	.46	.29	113.7
N	5	5	5	5	5	5	5

Appendix 5

Individual Clinical Hematology Data

Females Week 8

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
Group: 1	Dose Level: 0		Dosage Unit: ppm								
C91126	8.7	.4	8.0	.1	.1	.0	5	93	1	1	0
C91140	6.1	1.2	4.3	.3	.3	.0	20	71	4	5	0
C91145	11.6	.6	10.5	.4	.1	.0	5	90	3	1	0
C91162	4.0	.5	3.1	.3	.1	.0	14	78	7	2	0
C91163	8.0	.7	7.0	.3	.1	.0	8	87	3	1	0
MEAN	7.7	.7	6.6	.3	.1	.0	10	84	4	2	0
S.D.	2.85	.31	2.95	.11	.09	.00	6.5	9.1	2.2	1.7	.0
N	5	5	5	5	5	5	5	5	5	5	5
Group: 5	Dose Level: 300		Dosage Unit: ppm								
C91393	5.9	.5	5.2	.2	.0	.0	8	88	3	1	0
C91394	5.2	1.1	3.9	.1	.0	.0	21	76	2	1	0
C91404	4.9	.5	4.2	.1	.0	.0	9	87	3	0	0
C91415	6.8	.3	6.2	.3	.0	.0	4	91	4	1	0
C91438	6.3	.5	5.4	.3	.0	.0	8	86	5	1	0
MEAN	5.8	.6	5.0	.2	.0	.0	10	86	3	1	0
S.D.	.78	.30	.93	.10	.00	.00	6.4	5.7	1.1	.4	.0
N	5	5	5	5	5	5	5	5	5	5	5

Appendix 5

Individual Clinical Hematology Data

Females Week 8

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	ANISO	POLY	POIK	HYPO	TOXNEUT
Group: 1 Dose Level: 0 Dosage Unit: ppm					
C91126	-	-	-	-	-
C91140	-	-	-	-	-
C91145	-	-	-	-	-
C91162	-	-	-	-	-
C91163	-	-	-	-	-
Group: 5 Dose Level: 300 Dosage Unit: ppm					
C91393	-	-	-	-	-
C91394	-	-	-	-	-
C91404	-	-	-	-	-
C91415	-	-	-	-	-
C91438	-	-	-	-	-

Appendix 5

Individual Clinical Hematology Data

Males Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
Group: 1	Dose Level: 0		Dosage Unit: ppm				
C90716	8.83	15.6	45.8	51.9	17.6	34.0	1359
C90731	8.25	15.3	44.9	54.4	18.6	34.1	1257
C90738	8.60	15.3	45.9	53.4	17.7	33.2	1261
C90745	7.97	14.9	45.2	56.7	18.7	32.9	948
C90746	7.83	14.3	42.5	54.2	18.2	33.6	1312
C90748	8.98	15.5	46.3	51.5	17.2	33.4	1342
C90760	8.50	15.8	46.1	54.3	18.6	34.3	1081
C90766	8.70	15.3	46.4	53.3	17.6	33.1	1407
C90768	9.00	16.0	47.5	52.8	17.7	33.6	1061
C90780	8.71	15.2	46.5	53.3	17.4	32.7	1374
MEAN	8.54	15.3	45.7	53.6	17.9	33.5	1240
S.D.	.403	.48	1.34	1.46	.55	.53	156.0
N	10	10	10	10	10	10	10
Group: 2	Dose Level: 3		Dosage Unit: ppm				
C90791	8.49	15.0	44.4	52.3	17.7	33.7	1112
C90797	8.95	16.2	48.3	53.9	18.1	33.6	1164
C90802	9.02	15.8	47.7	52.8	17.5	33.1	1168
C90807	8.71	16.2	47.6	54.7	18.6	34.0	972
C90816	8.26	15.7	46.2	55.9	19.1	34.1	1214
C90818	9.02	16.0	47.0	52.1	17.7	34.0	1134
C90820	8.41	15.0	45.7	54.3	17.9	32.9	1115
C90831	8.81	15.7	46.6	52.9	17.8	33.7	1181
C90836	8.92	15.5	47.2	53.0	17.4	32.8	1196
C90840	8.66	15.2	45.6	52.7	17.5	33.3	1141
MEAN	8.72	15.6	46.6	53.5	17.9	33.5	1140
S.D.	.268	.45	1.17	1.21	.54	.47	67.8
N	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Hematology Data

Males Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
Group: 3	Dose Level: 30		Dosage Unit: ppm				
C90843	8.86	15.2	44.1	49.8	17.1	34.4	1092
C90851	8.57	15.3	45.6	53.3	17.9	33.6	1156
C90852	8.56	15.6	45.9	53.6	18.2	33.9	1254
C90856	8.66	15.6	46.1	53.2	18.0	33.8	1244
C90863	8.06	14.5	43.9	54.4	18.0	33.1	970
C90877	7.96	14.8	43.7	54.9	18.6	33.9	1194
C90880	8.13	14.7	43.9	54.0	18.0	33.4	1354
C90888	8.64	15.6	46.2	53.5	18.1	33.8	1233
C90892	8.53	15.6	46.2	54.1	18.2	33.7	1131
C90897	7.34	13.4	40.2	54.8	18.2	33.3	804
MEAN	8.33	15.0	44.6	53.6	18.0	33.7	1143
S.D.	.455	.71	1.87	1.45	.38	.37	158.3
N	10	10	10	10	10	10	10
Group: 4	Dose Level: 100		Dosage Unit: ppm				
C90905	8.12	15.4	45.3	55.8	19.0	34.1	1148
C90907	7.48	14.3	42.0	56.2	19.2	34.1	1167
C90917	8.35	15.0	45.2	54.1	18.0	33.2	1148
C90921	7.87	14.6	42.4	53.9	18.6	34.5	1262
C90934	8.05	14.6	43.2	53.7	18.1	33.7	1159
C90947	8.36	15.6	46.3	55.4	18.7	33.8	1119
C90953	8.19	15.1	45.4	55.4	18.5	33.4	938
C90957	8.80	15.5	46.5	52.9	17.6	33.3	1171
C90960	8.34	15.1	44.2	53.0	18.1	34.2	1147
C90968	8.24	14.8	43.8	53.2	17.9	33.7	1152
MEAN	8.18	15.0	44.4	54.4	18.4	33.8	1141
S.D.	.347	.43	1.57	1.23	.51	.42	80.6
N	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Hematology Data

Males Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
Group: 1	Dose Level: 0		Dosage Unit: ppm								
C90716	8.2	.8	6.6	.6	.2	.0	10	81	7	2	0
C90731	7.4	.9	5.7	.6	.2	.0	12	77	8	3	0
C90738	8.3	1.5	5.7	.9	.1	.0	18	69	11	2	0
C90745	8.2	1.0	6.3	.8	.1	.0	12	76	10	2	0
C90746	8.2	1.5	6.0	.5	.1	.0	18	74	6	2	0
C90748	6.8	1.1	4.8	.7	.1	.0	17	71	10	2	0
C90760	7.7	2.1	4.4	1.1	.1	.0	27	57	15	1	0
C90766	8.9	1.4	6.8	.7	.1	.0	15	76	7	1	0
C90768	5.1	1.1	3.4	.5	.1	.0	22	67	10	2	0
C90780	5.2	1.1	3.3	.7	.1	.0	21	64	13	2	0
MEAN	7.4	1.2	5.3	.7	.1	.0	17	71	10	2	0
S.D.	1.31	.38	1.27	.19	.04	.00	5.2	7.1	2.8	.6	.0
N	10	10	10	10	10	10	10	10	10	10	10
Group: 2	Dose Level: 3		Dosage Unit: ppm								
C90791	9.5	1.0	7.8	.6	.1	.0	11	82	6	1	0
C90797	5.7	1.0	4.1	.5	.1	.0	18	71	8	2	0
C90802	12.7	1.3	10.5	.7	.1	.0	10	83	6	1	0
C90807	7.7	1.4	5.6	.5	.1	.0	18	73	6	2	0
C90816	12.5	2.4	8.6	1.0	.4	.0	20	69	8	3	0
C90818	17.7	2.4	13.8	1.3	.1	.0	14	78	7	1	0
C90820	9.6	1.5	6.7	1.2	.1	.0	16	70	13	2	0
C90831	8.3	1.9	5.4	.8	.2	.0	23	65	9	3	0
C90836	9.9	1.3	8.0	.5	.2	.0	13	81	5	2	0
C90840	10.7	1.0	8.7	.7	.3	.0	9	82	6	2	0
MEAN	10.4	1.5	7.9	.8	.2	.0	15	75	7	2	0
S.D.	3.31	.54	2.79	.29	.11	.00	4.6	6.6	2.3	.7	.0
N	10	10	10	10	10	10	10	10	10	10	10

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Individual Clinical Hematology Data

Males Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
Group: 3	Dose Level: 30		Dosage Unit: ppm								
C90843	12.6	2.1	9.1	1.2	.2	.0	16	72	9	2	0
C90851	10.6	.9	8.8	.7	.1	.0	8	83	7	1	0
C90852	6.3	.8	4.7	.6	.1	.0	13	74	10	2	0
C90856	10.8	1.1	9.0	.6	.1	.0	10	83	6	1	0
C90863	9.6	1.2	7.3	.7	.3	.0	13	77	8	3	0
C90877	7.3	1.6	5.4	.2	.2	.0	22	73	3	2	0
C90880	8.5	1.0	6.5	.7	.2	.0	12	77	8	2	0
C90888	8.4	1.7	6.2	.4	.1	.0	20	74	5	2	0
C90892	8.2	1.6	5.5	.8	.2	.0	20	68	10	2	0
C90897	9.7	1.4	7.1	1.0	.1	.0	15	73	10	2	0
MEAN	9.2	1.3	7.0	.7	.2	.0	15	75	8	2	0
S.D.	1.85	.41	1.59	.28	.07	.00	4.6	4.7	2.4	.6	.0
N	10	10	10	10	10	10	10	10	10	10	10
Group: 4	Dose Level: 100		Dosage Unit: ppm								
C90905	11.3	1.5	9.1	.6	.2	.0	13	80	5	2	0
C90907	7.9	1.3	5.9	.6	.1	.0	17	75	7	1	0
C90917	5.8	.7	4.3	.7	.1	.0	13	74	11	2	0
C90921	8.1	1.3	6.2	.5	.1	.0	16	77	6	1	0
C90934	4.7	.6	3.5	.5	.1	.0	12	75	11	1	0
C90947	8.2	1.2	6.2	.7	.1	.0	14	76	9	1	0
C90953	12.2	1.9	8.8	1.3	.2	.0	16	72	11	1	0
C90957	9.0	1.6	6.6	.6	.2	.0	18	73	6	2	0
C90960	7.9	1.3	6.0	.5	.1	.0	17	76	6	1	0
C90968	12.9	1.3	10.8	.7	.2	.0	10	83	5	1	0
MEAN	8.8	1.3	6.7	.7	.1	.0	15	76	8	1	0
S.D.	2.64	.39	2.23	.24	.05	.00	2.6	3.3	2.5	.5	.0
N	10	10	10	10	10	10	10	10	10	10	10

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	ANISO	POLY	POIK	HYPO	TOXNEUT
Group: 1	Dose Level: 0		Dosage Unit: ppm		
C90716	-	-	-	-	-
C90731	-	-	-	-	-
C90738	-	-	-	-	-
C90745	-	-	-	-	-
C90746	-	-	-	-	-
C90748	-	-	-	-	-
C90760	-	-	-	-	-
C90766	-	-	-	-	-
C90768	-	-	-	-	-
C90780	-	-	-	-	-
Group: 2	Dose Level: 3		Dosage Unit: ppm		
C90791	-	-	-	-	-
C90797	-	-	-	-	-
C90802	-	-	-	-	-
C90807	-	-	-	-	-
C90816	-	-	-	-	-
C90818	-	-	-	-	-
C90820	-	-	-	-	-
C90831	-	-	-	-	-
C90836	-	-	-	-	-
C90840	-	-	-	-	-

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Individual Clinical Hematology Data

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	ANISO	POLY	POIK	HYPO	TOXNEUT
Group: 3	Dose Level: 30		Dosage Unit: ppm		
C90843	-	-	-	-	-
C90851	-	-	-	-	-
C90852	-	-	-	-	-
C90856	-	-	-	-	-
C90863	-	-	-	-	-
C90877	-	-	-	-	-
C90880	-	-	-	-	-
C90888	-	-	-	-	-
C90892	-	-	-	-	-
C90897	-	-	-	-	-
Group: 4	Dose Level: 100		Dosage Unit: ppm		
C90905	-	-	-	-	-
C90907	-	-	-	-	-
C90917	-	-	-	-	-
C90921	-	-	-	-	-
C90934	-	-	-	-	-
C90947	-	-	-	-	-
C90953	-	-	-	-	-
C90957	-	-	-	-	-
C90960	-	-	-	-	-
C90968	-	-	-	-	-

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Individual Clinical Hematology Data

Females Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
Group: 1	Dose Level: 0		Dosage Unit: ppm				
C91122	8.10	15.6	45.9	56.7	19.3	34.0	1223
C91129	7.63	15.3	45.1	59.1	20.1	34.0	1074
C91148	9.08	16.6	49.8	54.8	18.3	33.4	958
C91155	8.20	15.3	46.1	56.2	18.7	33.3	1034
C91160	7.45	14.6	42.6	57.1	19.7	34.4	960
C91174	8.33	15.9	47.2	56.6	19.1	33.8	1031
C91176	8.09	14.7	44.6	55.2	18.1	32.9	1203
C91178	8.14	15.2	45.5	55.9	18.6	33.3	987
C91181	7.85	15.1	44.2	56.3	19.2	34.1	1079
C91182	8.62	16.3	48.4	56.1	18.9	33.6	846
MEAN	8.15	15.5	45.9	56.4	19.0	33.7	1040
S.D.	.469	.65	2.09	1.17	.61	.46	113.7
N	10	10	10	10	10	10	10
Group: 2	Dose Level: 3		Dosage Unit: ppm				
C91192	7.71	14.7	43.3	56.2	19.1	34.0	990
C91196	7.98	14.4	43.0	53.8	18.1	33.5	1105
C91204	7.73	15.3	45.7	59.1	19.8	33.4	865
C91215	8.50	15.8	46.8	55.0	18.5	33.7	1143
C91221	7.68	15.3	45.1	58.7	19.9	33.9	1086
C91223	8.07	14.9	44.6	55.3	18.4	33.4	1179
C91228	8.48	16.2	48.6	57.3	19.1	33.4	1139
C91233	8.03	14.6	43.0	53.6	18.2	34.0	1162
C91241	8.10	15.2	44.1	54.5	18.7	34.4	882
C91248	8.96	16.2	48.8	54.5	18.1	33.2	454
MEAN	8.12	15.3	45.3	55.8	18.8	33.7	1000
S.D.	.411	.64	2.16	1.97	.67	.38	222.8
N	10	10	10	10	10	10	10

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Individual Clinical Hematology Data

Females Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
Group: 3	Dose Level: 30		Dosage Unit: ppm				
C91262	8.66	15.9	47.4	54.7	18.4	33.6	1313
C91274	8.19	15.9	47.2	57.6	19.5	33.8	913
C91281	8.30	15.6	46.9	56.5	18.8	33.2	1112
C91284	7.81	14.9	44.8	57.4	19.1	33.2	1065
C91286	7.51	15.5	45.2	60.2	20.7	34.4	949
C91288	7.55	14.6	43.3	57.3	19.4	33.8	1044
C91293	7.48	14.9	43.8	58.5	19.9	34.0	903
C91299	8.48	15.6	47.0	55.4	18.4	33.2	1147
C91304	7.91	14.3	43.3	54.8	18.0	32.9	994
C91305	8.17	15.3	45.8	56.1	18.8	33.5	1097
MEAN	8.01	15.2	45.5	56.8	19.1	33.6	1054
S.D.	.419	.55	1.63	1.72	.80	.45	124.0
N	10	10	10	10	10	10	10
Group: 4	Dose Level: 100		Dosage Unit: ppm				
C91326	7.66	14.9	43.2	56.4	19.5	34.6	1035
C91327 NR	-	-	-	-	-	-	-
C91329	8.07	15.4	45.5	56.4	19.1	33.9	1113
C91332	7.85	15.0	43.1	55.0	19.1	34.8	1017
C91337	7.73	14.9	44.3	57.4	19.3	33.6	1037
C91348	7.82	15.0	43.8	56.0	19.2	34.3	1016
C91355	7.53	14.7	43.6	57.9	19.5	33.6	994
C91370	8.24	14.6	43.8	53.2	17.7	33.2	968
C91374	7.39	14.7	42.6	57.6	19.9	34.5	1091
C91379	7.81	14.9	43.7	55.9	19.1	34.2	932
MEAN	7.79	14.9	43.7	56.2	19.2	34.1	1023
S.D.	.258	.23	.82	1.46	.61	.54	56.2
N	9	9	9	9	9	9	9

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Individual Clinical Hematology Data

Females Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
Group: 1	Dose Level: 0		Dosage Unit: ppm								
C91122	5.5	.8	4.2	.4	.1	.0	14	75	7	3	0
C91129	7.2	1.2	5.6	.3	.1	.0	17	78	4	1	0
C91148	8.8	.7	7.4	.5	.2	.0	8	84	6	2	0
C91155	3.9	.6	3.0	.2	.1	.0	15	77	6	2	0
C91160	4.7	.6	3.9	.2	.1	.0	12	83	3	1	0
C91174	6.6	.6	5.4	.5	.1	.0	10	82	7	1	0
C91176	7.7	.7	6.3	.6	.1	.0	9	82	7	2	0
C91178	5.9	1.1	4.2	.4	.1	.0	19	71	7	2	0
C91181	5.6	.9	4.2	.4	.1	.0	16	75	7	2	0
C91182	8.6	1.0	6.9	.5	.2	.0	12	80	6	2	0
MEAN	6.4	.8	5.1	.4	.1	.0	13	79	6	2	0
S.D.	1.63	.22	1.44	.13	.04	.00	3.6	4.2	1.4	.6	.0
N	10	10	10	10	10	10	10	10	10	10	10
Group: 2	Dose Level: 3		Dosage Unit: ppm								
C91192	5.0	.9	3.7	.3	.1	.0	18	74	6	2	0
C91196	5.7	.4	4.6	.4	.2	.0	8	82	7	3	0
C91204	8.1	1.4	5.9	.7	.1	.0	17	73	8	1	0
C91215	6.7	.5	5.7	.3	.1	.0	8	86	5	1	0
C91221	9.4	1.4	7.6	.3	.1	.0	15	81	3	1	0
C91223	5.4	.3	4.5	.4	.1	.0	6	84	8	2	0
C91228	9.2	1.1	7.5	.5	.1	.0	12	82	5	1	0
C91233	5.7	.7	4.3	.5	.1	.0	12	76	9	3	0
C91241	8.5	.7	7.2	.4	.1	.0	9	85	5	1	0
C91248	4.9	.2	4.2	.4	.1	.0	5	85	9	1	0
MEAN	6.9	.8	5.5	.4	.1	.0	11	81	6	2	0
S.D.	1.77	.43	1.48	.12	.03	.00	4.5	4.8	2.0	.8	.0
N	10	10	10	10	10	10	10	10	10	10	10

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Individual Clinical Hematology Data

Females Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
Group: 3	Dose Level: 30		Dosage Unit: ppm								
C91262	5.8	.8	4.7	.2	.1	.0	13	80	4	2	0
C91274	22.5	1.2	20.2	.8	.4	.0	5	89	3	2	0
C91281	5.1	.6	4.1	.3	.1	.0	11	81	7	1	0
C91284	7.6	.7	6.3	.5	.1	.0	9	83	7	1	0
C91286	6.7	.5	5.8	.3	.1	.0	7	86	5	1	0
C91288	4.0	.6	3.0	.3	.1	.0	16	74	8	2	0
C91293	4.4	.8	3.3	.3	.1	.0	17	75	6	2	0
C91299	6.8	.7	5.6	.4	.1	.0	11	82	6	1	0
C91304	4.6	1.1	3.3	.1	.1	.0	24	70	3	2	0
C91305	7.8	.8	6.6	.3	.1	.0	10	85	4	2	0
MEAN	7.5	.8	6.3	.4	.1	.0	12	80	5	2	0
S.D.	5.43	.22	5.06	.19	.09	.00	5.5	5.9	1.8	.5	.0
N	10	10	10	10	10	10	10	10	10	10	10
Group: 4	Dose Level: 100		Dosage Unit: ppm								
C91326	4.7	.5	3.6	.5	.1	.0	10	77	11	2	0
C91327 NR	-	-	-	-	-	-	-	-	-	-	-
C91329	8.4	.5	7.3	.5	.1	.0	6	87	6	1	0
C91332	8.6	1.2	7.0	.2	.1	.0	14	82	2	1	0
C91337	6.1	.6	4.8	.4	.2	.0	10	79	7	3	0
C91348	8.1	.6	6.9	.4	.1	.0	8	85	5	2	0
C91355	4.2	.9	2.8	.5	.1	.0	22	65	11	2	0
C91370	6.1	.4	5.2	.4	.1	.0	7	85	6	1	0
C91374	5.5	.6	4.5	.3	.0	.0	12	81	6	1	0
C91379	4.0	.4	3.4	.2	.0	.0	11	83	4	1	0
MEAN	6.2	.6	5.1	.4	.1	.0	11	80	6	2	0
S.D.	1.80	.26	1.68	.12	.06	.00	4.8	6.6	3.0	.7	.0
N	9	9	9	9	9	9	9	9	9	9	9

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Individual Clinical Hematology Data

Females Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	ANISO	POLY	POIK	HYPO	TOXNEUT
Group: 1	Dose Level: 0		Dosage Unit: ppm		
C91122	-	-	-	-	-
C91129	-	-	-	-	-
C91148	-	-	-	-	-
C91155	-	-	-	-	-
C91160	-	-	-	-	-
C91174	-	-	-	-	-
C91176	-	-	-	-	-
C91178	-	-	-	-	-
C91181	-	-	-	-	-
C91182	-	-	-	-	-
Group: 2	Dose Level: 3		Dosage Unit: ppm		
C91192	-	-	-	-	-
C91196	-	-	-	-	-
C91204	-	-	-	-	-
C91215	-	-	-	-	-
C91221	-	-	-	-	-
C91223	-	-	-	-	-
C91228	-	-	-	-	-
C91233	-	-	-	-	-
C91241	-	-	-	-	-
C91248	-	-	-	-	-

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	ANISO	POLY	POIK	HYPO	TOXNEUT
Group: 3 Dose Level: 30 Dosage Unit: ppm					
C91262	-	-	-	-	-
C91274	-	-	-	-	-
C91281	-	-	-	-	-
C91284	-	-	-	-	-
C91286	-	-	-	-	-
C91288	-	-	-	-	-
C91293	-	-	-	-	-
C91299	-	-	-	-	-
C91304	-	-	-	-	-
C91305	-	-	-	-	-
Group: 4 Dose Level: 100 Dosage Unit: ppm					
C91326	-	-	-	-	-
C91327	QS	QS	QS	QS	QS
C91329	-	-	-	-	-
C91332	-	-	-	-	-
C91337	-	-	-	-	-
C91348	-	-	-	-	-
C91355	-	-	-	-	-
C91370	-	-	-	-	-
C91374	-	-	-	-	-
C91379	-	-	-	-	-

Appendix 5

Individual Clinical Hematology Data

Males Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
Group: 1	Dose Level: 0		Dosage Unit: ppm				
C90721	7.65	13.8	41.8	54.6	18.0	33.1	1345
C90735	8.29	15.4	45.6	55.0	18.6	33.8	1213
C90736	8.49	14.7	44.1	51.9	17.3	33.4	1132
C90738	8.30	15.0	44.7	53.9	18.0	33.4	1314
C90739	8.47	15.0	44.7	52.8	17.7	33.6	1172
C90747	7.52	14.3	42.2	56.0	19.0	34.0	1131
C90751	8.77	15.1	45.7	52.1	17.2	32.9	1234
C90752	8.94	15.2	45.7	51.1	17.0	33.1	1414
C90755	8.30	14.6	43.2	52.0	17.6	33.7	1334
C90766	8.56	14.6	44.5	52.0	17.1	32.8	1407
MEAN	8.33	14.8	44.2	53.1	17.8	33.4	1270
S.D.	.445	.47	1.41	1.63	.66	.40	107.3
N	10	10	10	10	10	10	10
Group: 2	Dose Level: 3		Dosage Unit: ppm				
C90795	8.88	16.1	47.8	53.9	18.1	33.7	1014
C90799	7.52	13.9	41.8	55.6	18.4	33.2	1018
C90802	9.11	15.3	46.7	51.3	16.8	32.7	1180
C90803	8.34	14.6	44.9	53.8	17.5	32.5	1023
C90805	9.16	16.1	47.3	51.6	17.5	34.0	1287
C90806	8.48	14.5	43.3	51.1	17.0	33.4	1148
C90824	8.13	15.3	45.4	55.9	18.8	33.6	1161
C90825	7.96	14.6	43.8	55.0	18.3	33.4	1135
C90839	8.19	15.1	45.4	55.4	18.5	33.4	1018
C90840	6.17	11.0	33.4	54.1	17.9	33.1	975
MEAN	8.19	14.6	44.0	53.8	17.9	33.3	1096
S.D.	.879	1.46	4.15	1.83	.66	.45	100.5
N	10	10	10	10	10	10	10

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Males Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
Group: 3	Dose Level: 30		Dosage Unit: ppm				
C90847	8.19	14.5	43.1	52.6	17.7	33.6	965
C90855	8.47	14.4	43.0	50.8	17.0	33.4	1322
C90858	9.08	15.6	45.6	50.2	17.2	34.2	1269
C90859	8.32	14.6	43.3	52.0	17.6	33.8	1277
C90864	8.59	15.0	44.9	52.2	17.5	33.5	1260
C90865	8.16	15.5	44.9	55.0	19.0	34.4	1011
C90871	7.80	14.0	42.2	54.2	18.0	33.2	1207
C90872	7.87	15.0	43.5	55.3	19.1	34.5	1057
C90882	8.04	15.3	45.1	56.1	19.0	33.8	1203
C90886	8.20	15.1	44.4	54.1	18.4	34.1	1326
MEAN	8.27	14.9	44.0	53.2	18.0	33.8	1190
S.D.	.374	.51	1.12	1.98	.78	.44	131.4
N	10	10	10	10	10	10	10
Group: 4	Dose Level: 100		Dosage Unit: ppm				
C90916	8.20	14.5	43.2	52.7	17.7	33.6	1142
C90931	8.10	14.3	41.6	51.4	17.6	34.3	1169
C90937	8.04	13.2	39.0	48.5	16.4	33.9	1185
C90940	8.64	14.8	43.6	50.5	17.1	33.9	1243
C90944	7.93	14.4	42.1	53.1	18.2	34.2	1327
C90945	8.55	15.3	45.8	53.6	17.8	33.3	1214
C90954	7.91	14.6	43.2	54.5	18.5	33.9	1202
C90956	8.67	14.4	42.8	49.4	16.6	33.5	1246
C90957	8.69	15.2	46.4	53.4	17.5	32.8	1193
C90963	7.52	14.1	41.7	55.4	18.8	33.9	1142
MEAN	8.22	14.5	42.9	52.2	17.6	33.7	1206
S.D.	.398	.59	2.12	2.24	.77	.44	55.6
N	10	10	10	10	10	10	10

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Individual Clinical Hematology Data

Males Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
Group: 1	Dose Level: 0		Dosage Unit: ppm								
C90721	7.9	2.1	4.8	.9	.1	.0	26	61	11	2	0
C90735	7.3	1.7	4.8	.6	.2	.0	23	66	8	2	0
C90736	4.7	1.0	3.1	.4	.2	.0	22	65	9	3	0
C90738	7.2	1.3	4.9	.9	.1	.0	18	68	12	2	0
C90739	7.6	1.4	5.5	.6	.2	.0	18	72	8	2	0
C90747	8.8	1.4	6.5	.7	.1	.0	16	74	8	2	0
C90751	6.6	1.0	4.6	.8	.2	.0	15	69	12	2	0
C90752	11.6	1.4	8.9	1.0	.3	.0	12	77	8	2	0
C90755	8.6	1.3	6.0	1.0	.2	.0	16	70	12	3	0
C90766	8.4	1.8	5.6	.8	.2	.0	21	66	10	2	0
MEAN	7.9	1.4	5.5	.8	.2	.0	19	69	10	2	0
S.D.	1.77	.34	1.52	.19	.06	.00	4.2	4.7	1.8	.4	.0
N	10	10	10	10	10	10	10	10	10	10	10
Group: 2	Dose Level: 3		Dosage Unit: ppm								
C90795	6.5	1.3	4.1	1.0	.2	.0	20	62	15	3	0
C90799	7.7	1.2	6.0	.5	.1	.0	15	77	6	1	0
C90802	8.2	1.4	6.2	.4	.1	.0	17	76	5	1	0
C90803	7.6	1.5	5.0	.9	.2	.0	20	66	12	3	0
C90805	8.4	1.9	5.9	.5	.1	.0	22	70	6	2	0
C90806	6.4	.8	5.0	.4	.1	.0	13	79	6	2	0
C90824	8.4	1.0	6.3	.8	.3	.0	12	75	10	3	0
C90825	8.0	1.3	5.6	.9	.1	.0	16	70	12	2	1
C90839	6.0	.8	4.2	.8	.1	.0	13	71	14	2	0
C90840	11.8	3.0	8.0	.5	.3	.0	26	68	4	2	0
MEAN	7.9	1.4	5.6	.7	.2	.0	17	71	9	2	0
S.D.	1.62	.65	1.14	.23	.08	.00	4.5	5.3	4.1	.7	.3
N	10	10	10	10	10	10	10	10	10	10	10

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Individual Clinical Hematology Data

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
Group: 3	Dose Level: 30		Dosage Unit: ppm								
C90847	10.8	2.3	7.4	.8	.2	.0	22	69	7	1	0
C90855	10.3	3.8	5.6	.7	.2	.0	37	54	7	2	0
C90858	8.7	1.9	5.7	1.0	.1	.0	22	66	11	1	0
C90859	9.6	2.9	5.6	1.0	.1	.0	30	58	11	2	0
C90864	11.0	2.0	7.8	.9	.3	.0	18	71	8	3	0
C90865	9.1	1.1	6.9	.9	.1	.0	12	76	10	1	0
C90871	7.8	1.4	5.6	.6	.1	.0	18	72	8	1	0
C90872	5.9	1.0	4.4	.3	.1	.0	16	76	6	2	0
C90882	5.4	.7	4.1	.4	.2	.0	12	77	8	3	0
C90886	9.1	2.8	5.0	1.1	.1	.0	30	56	13	1	0
MEAN	8.8	2.0	5.8	.8	.2	.0	22	68	9	2	0
S.D.	1.91	.98	1.22	.27	.07	.00	8.3	8.7	2.2	.8	.0
N	10	10	10	10	10	10	10	10	10	10	10
Group: 4	Dose Level: 100		Dosage Unit: ppm								
C90916	8.1	2.0	5.4	.5	.1	.0	25	67	6	1	0
C90931	5.6	1.0	3.9	.6	.1	.0	17	70	11	2	1
C90937	7.7	2.1	4.7	.7	.1	.0	28	61	9	2	0
C90940	9.3	1.7	6.9	.6	.1	.0	18	74	7	1	0
C90944	9.9	1.6	7.5	.6	.1	.0	16	76	6	1	0
C90945	5.7	1.2	3.5	.8	.1	.0	22	62	14	1	0
C90954	8.6	1.1	6.5	.7	.2	.0	13	76	8	2	0
C90956	8.8	2.4	5.5	.8	.1	.0	27	62	9	2	0
C90957	8.4	1.8	5.6	.8	.2	.0	21	66	10	3	0
C90963	16.6	8.9	6.1	1.5	.1	.0	54	36	9	1	0
MEAN	8.9	2.4	5.6	.8	.1	.0	24	65	9	2	0
S.D.	3.06	2.34	1.27	.28	.04	.00	11.6	11.7	2.4	.7	.3
N	10	10	10	10	10	10	10	10	10	10	10

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Individual Clinical Hematology Data

Males Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	ANISO	POLY	POIK	HYPO	TOXNEUT
Group: 1	Dose Level: 0		Dosage Unit: ppm		
C90721	-	-	-	-	-
C90735	-	-	-	-	-
C90736	-	-	-	-	-
C90738	-	-	-	-	-
C90739	-	-	-	-	-
C90747	-	-	-	-	-
C90751	-	-	-	-	-
C90752	-	-	-	-	-
C90755	-	-	-	-	-
C90766	-	-	-	-	-
Group: 2	Dose Level: 3		Dosage Unit: ppm		
C90795	-	-	-	-	-
C90799	-	-	-	-	-
C90802	-	-	-	-	-
C90803	-	-	-	-	-
C90805	-	-	-	-	-
C90806	-	-	-	-	-
C90824	-	-	-	-	-
C90825	-	-	-	-	-
C90839	-	-	-	-	-
C90840	-	-	-	-	-

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Males Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	ANISO	POLY	POIK	HYPO	TOXNEUT
Group: 3	Dose Level: 30		Dosage Unit: ppm		
C90847	-	-	-	-	-
C90855	-	-	-	-	-
C90858	-	-	-	-	-
C90859	-	-	-	-	-
C90864	-	-	-	-	-
C90865	-	-	-	-	-
C90871	-	-	-	-	-
C90872	-	-	-	-	-
C90882	-	-	-	-	-
C90886	-	-	-	-	-
Group: 4	Dose Level: 100		Dosage Unit: ppm		
C90916	-	-	-	-	-
C90931	-	-	-	-	-
C90937	-	-	-	-	-
C90940	-	-	-	-	-
C90944	-	-	-	-	-
C90945	-	-	-	-	-
C90954	-	-	-	-	-
C90956	-	-	-	-	-
C90957	-	-	-	-	-
C90963	-	-	-	-	-

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Individual Clinical Hematology Data

Females Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
Group: 1	Dose Level: 0		Dosage Unit: ppm				
C91127	7.95	15.5	45.5	57.3	19.5	34.0	1148
C91128	7.84	15.4	45.3	57.7	19.6	34.0	926
C91133	8.20	15.6	46.7	57.0	19.0	33.4	1078
C91137	8.24	15.1	44.7	54.3	18.4	33.8	994
C91144	8.46	15.3	46.2	54.5	18.1	33.2	1164
C91153	8.00	14.9	44.1	55.1	18.6	33.8	1098
C91154	7.91	15.4	45.3	57.2	19.5	34.0	1226
C91158	7.42	14.7	43.0	57.9	19.8	34.3	1000
C91161	7.56	15.5	45.3	59.9	20.5	34.2	981
C91183	7.74	15.4	44.8	58.0	20.0	34.4	1140
MEAN	7.93	15.3	45.1	56.9	19.3	33.9	1076
S.D.	.316	.29	1.04	1.76	.76	.38	96.6
N	10	10	10	10	10	10	10
Group: 2	Dose Level: 3		Dosage Unit: ppm				
C91196	7.55	14.5	42.2	55.8	19.2	34.5	1081
C91207	7.80	14.3	42.5	54.5	18.3	33.6	1029
C91210	7.24	14.6	43.2	59.7	20.2	33.8	858
C91211	7.59	14.8	44.1	58.1	19.5	33.6	1286
C91214	7.27	14.4	42.4	58.4	19.9	34.0	841
C91221	7.84	15.5	45.1	57.6	19.8	34.4	1135
C91224	7.87	15.3	45.2	57.5	19.4	33.8	1058
C91235	7.39	14.8	42.8	58.0	20.1	34.6	1024
C91243	7.27	15.0	43.5	59.8	20.7	34.6	891
C91244	7.60	13.8	41.5	54.6	18.1	33.2	665
MEAN	7.54	14.7	43.2	57.4	19.5	34.0	987
S.D.	.243	.50	1.23	1.88	.82	.49	176.1
N	10	10	10	10	10	10	10

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Individual Clinical Hematology Data

Females Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
Group: 3	Dose Level: 30		Dosage Unit: ppm				
C91252	7.82	14.4	42.4	54.2	18.4	33.9	1010
C91254	7.71	14.5	42.5	55.2	18.8	34.1	1119
C91264	7.71	15.3	43.8	56.9	19.8	34.9	890
C91267	7.16	14.1	41.7	58.2	19.7	33.8	990
C91283	7.94	15.0	44.5	56.0	18.9	33.8	853
C91286	7.25	15.1	44.0	60.6	20.8	34.3	882
C91292	7.58	14.5	43.3	57.1	19.2	33.5	880
C91295	8.37	15.0	45.4	54.2	18.0	33.1	961
C91301	8.32	15.5	45.6	54.8	18.6	33.9	990
C91303	7.96	15.2	45.4	57.0	19.1	33.5	1109
MEAN	7.78	14.9	43.9	56.4	19.1	33.9	968
S.D.	.396	.46	1.38	1.99	.80	.49	94.2
N	10	10	10	10	10	10	10
Group: 4	Dose Level: 100		Dosage Unit: ppm				
C91312	7.36	14.1	40.6	55.1	19.1	34.7	1181
C91323	7.14	13.5	39.7	55.6	18.8	33.9	793
C91328	7.74	15.5	45.2	58.4	20.1	34.4	944
C91339	7.37	14.3	41.3	56.1	19.4	34.6	996
C91340	7.16	14.3	41.6	58.0	19.9	34.4	949
C91351	7.22	14.3	42.0	58.2	19.8	34.1	1046
C91354	7.45	14.0	41.5	55.7	18.9	33.8	1008
C91357	6.92	13.9	39.8	57.4	20.0	34.9	1043
C91369	6.80	13.2	39.3	57.9	19.5	33.7	922
C91371	7.33	13.8	38.9	53.0	18.8	35.5	1076
MEAN	7.25	14.1	41.0	56.5	19.4	34.4	996
S.D.	.268	.61	1.82	1.74	.51	.56	103.9
N	10	10	10	10	10	10	10

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Individual Clinical Hematology Data

Females Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
Group: 1	Dose Level: 0		Dosage Unit: ppm								
C91127	6.9	.6	5.9	.3	.1	.0	9	85	5	1	0
C91128	4.5	.4	3.6	.5	.1	.0	9	79	10	2	0
C91133	4.3	.8	2.3	1.0	.1	.1	19	54	23	2	2
C91137	3.9	.7	2.6	.4	.1	.0	19	67	11	3	0
C91144	3.4	.8	1.9	.6	.1	.0	23	57	17	2	1
C91153	6.2	.6	5.0	.5	.1	.0	9	81	8	2	0
C91154	5.0	.4	3.6	.8	.1	.0	8	73	16	2	1
C91158	3.7	.6	2.4	.6	.1	.0	15	65	16	3	0
C91161	6.3	.9	4.7	.6	.1	.0	14	74	10	2	0
C91183	6.4	.8	5.0	.4	.1	.0	13	78	7	2	0
MEAN	5.1	.7	3.7	.6	.1	.0	14	71	12	2	0
S.D.	1.29	.17	1.39	.21	.00	.03	5.2	10.3	5.5	.6	.7
N	10	10	10	10	10	10	10	10	10	10	10
Group: 2	Dose Level: 3		Dosage Unit: ppm								
C91196	3.6	.4	2.8	.3	.1	.0	11	77	8	4	0
C91207	5.2	.9	3.6	.5	.1	.0	18	70	9	3	0
C91210	5.0	.5	3.8	.6	.1	.0	10	76	12	1	0
C91211	2.9	.5	2.0	.3	.1	.0	18	68	11	3	0
C91214	9.6	1.2	7.6	.6	.1	.0	13	79	6	1	0
C91221	6.5	.9	5.1	.2	.1	.0	15	79	4	2	0
C91224	5.4	.6	4.1	.6	.2	.0	11	76	10	3	0
C91235	3.9	.6	2.8	.4	.1	.0	16	73	9	2	0
C91243	4.9	.7	3.4	.7	.1	.0	14	69	15	2	0
C91244	5.1	.7	3.7	.6	.1	.0	13	73	12	2	1
MEAN	5.2	.7	3.9	.5	.1	.0	14	74	10	2	0
S.D.	1.85	.24	1.55	.17	.03	.00	2.8	4.0	3.2	.9	.3
N	10	10	10	10	10	10	10	10	10	10	10

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Individual Clinical Hematology Data

Females Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
Group: 3	Dose Level: 30		Dosage Unit: ppm								
C91252	4.0	.8	2.7	.4	.1	.0	20	68	9	3	0
C91254	6.6	1.3	4.2	.9	.1	.0	20	64	14	2	1
C91264	5.6	.8	4.0	.6	.1	.0	15	71	11	2	0
C91267	3.8	.8	2.6	.3	.2	.0	20	68	7	4	0
C91283	3.7	.8	2.1	.7	.1	.0	21	56	20	2	0
C91286	3.7	.4	3.0	.2	.1	.0	10	81	7	2	0
C91292	5.7	.8	4.0	.7	.1	.0	15	71	13	2	0
C91295	4.5	.8	3.1	.4	.1	.0	18	69	9	3	1
C91301	3.9	1.0	2.4	.5	.1	.0	25	61	12	2	0
C91303	6.6	.8	5.2	.4	.1	.0	12	79	7	2	0
MEAN	4.8	.8	3.3	.5	.1	.0	18	69	11	2	0
S.D.	1.20	.22	.98	.21	.03	.00	4.6	7.5	4.1	.7	.4
N	10	10	10	10	10	10	10	10	10	10	10
Group: 4	Dose Level: 100		Dosage Unit: ppm								
C91312	5.3	1.3	3.4	.4	.1	.0	25	64	8	2	1
C91323	4.1	.9	2.8	.4	.1	.0	21	67	9	3	0
C91328	4.6	1.2	2.9	.4	.1	.0	26	64	8	3	0
C91339	5.7	.7	4.4	.4	.1	.0	13	77	8	2	0
C91340	4.4	.5	3.5	.3	.1	.0	12	79	6	2	0
C91351	3.9	.6	2.8	.4	.1	.0	14	72	11	2	0
C91354	6.0	.6	4.9	.3	.1	.0	11	82	5	2	0
C91357	4.4	.8	3.0	.5	.1	.0	18	68	12	2	1
C91369	5.2	.6	4.1	.3	.1	.0	12	79	6	2	0
C91371	5.0	1.1	3.4	.3	.2	.0	22	68	7	3	0
MEAN	4.9	.8	3.5	.4	.1	.0	17	72	8	2	0
S.D.	.69	.28	.73	.07	.03	.00	5.7	6.7	2.2	.5	.4
N	10	10	10	10	10	10	10	10	10	10	10

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Individual Clinical Hematology Data

Females Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	ANISO	POLY	POIK	HYPO	TOXNEUT
Group: 1	Dose Level: 0		Dosage Unit: ppm		
C91127	-	-	-	-	-
C91128	-	-	-	-	-
C91133	-	-	-	-	-
C91137	-	-	-	-	-
C91144	-	-	-	-	-
C91153	-	-	-	-	-
C91154	-	-	-	-	-
C91158	-	-	-	-	-
C91161	-	-	-	-	-
C91183	-	-	-	-	-
Group: 2	Dose Level: 3		Dosage Unit: ppm		
C91196	-	-	-	-	-
C91207	-	-	-	-	-
C91210	-	-	-	-	-
C91211	-	-	-	-	-
C91214	-	-	-	-	-
C91221	-	-	-	-	-
C91224	-	-	-	-	-
C91235	-	-	-	-	-
C91243	-	-	-	-	-
C91244	-	-	-	-	-

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Individual Clinical Hematology Data

Females Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	ANISO	POLY	POIK	HYPO	TOXNEUT
Group: 3	Dose Level: 30		Dosage Unit: ppm		
C91252	-	-	-	-	-
C91254	-	-	-	-	-
C91264	-	-	-	-	-
C91267	-	-	-	-	-
C91283	-	-	-	-	-
C91286	-	-	-	-	-
C91292	-	-	-	-	-
C91295	-	-	-	-	-
C91301	-	-	-	-	-
C91303	-	-	-	-	-
Group: 4	Dose Level: 100		Dosage Unit: ppm		
C91312	-	-	-	-	-
C91323	-	-	-	-	-
C91328	-	-	-	-	-
C91339	-	-	-	-	-
C91340	-	-	-	-	-
C91351	-	-	-	-	-
C91354	-	-	-	-	-
C91357	-	-	-	-	-
C91369	-	-	-	-	-
C91371	-	-	-	-	-

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Individual Clinical Hematology Data

Males Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
Group: 1	Dose Level: 0		Dosage Unit: ppm				
C90712	7.45	13.8	41.6	55.8	18.6	33.2	1392
C90723	8.79	15.5	46.6	53.0	17.6	33.2	1226
C90727	8.47	15.0	44.6	52.6	17.7	33.5	1667
C90730	7.45	14.6	43.2	58.0	19.7	33.9	1006
C90755	8.04	14.1	41.8	51.9	17.6	33.8	1283
C90758	7.99	14.9	44.4	55.5	18.7	33.7	1180
C90759	9.02	15.4	46.0	51.0	17.1	33.4	1369
C90764	8.42	15.4	46.7	55.5	18.3	33.0	1074
C90766	8.86	15.6	46.4	52.4	17.6	33.6	1338
C90774	5.62	10.5	31.7	56.5	18.7	33.2	848
MEAN	8.01	14.5	43.3	54.2	18.2	33.4	1238
S.D.	1.004	1.52	4.50	2.32	.78	.30	229.3
N	10	10	10	10	10	10	10
Group: 2	Dose Level: 3		Dosage Unit: ppm				
C90781	8.01	14.8	43.8	54.7	18.5	33.7	1105
C90792	8.87	16.3	48.6	54.8	18.4	33.6	1247
C90793	8.99	16.1	48.3	53.7	17.9	33.3	1505
C90798	9.10	15.6	46.3	50.9	17.1	33.6	1286
C90799	7.61	14.3	41.8	54.9	18.7	34.2	942
C90800	8.73	15.6	46.6	53.3	17.9	33.6	1031
C90812	8.48	15.8	48.4	57.1	18.6	32.6	1264
C90822	8.33	14.8	45.2	54.2	17.8	32.7	1278
C90829	7.94	14.6	42.6	53.7	18.4	34.3	1046
C90832	8.14	14.2	41.3	50.8	17.5	34.4	1400
MEAN	8.42	15.2	45.3	53.8	18.1	33.6	1210
S.D.	.498	.76	2.79	1.88	.52	.61	176.3
N	10	10	10	10	10	10	10

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Males Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
Group: 3	Dose Level: 30		Dosage Unit: ppm				
C90841	8.65	14.5	44.2	51.1	16.8	32.9	1161
C90850	8.74	15.0	44.7	51.1	17.2	33.7	1201
C90854	7.03	11.9	35.3	50.2	16.9	33.7	1056
C90855	9.31	16.0	47.3	50.8	17.2	33.8	1328
C90856	8.48	15.2	45.1	53.2	18.0	33.8	1263
C90859	8.25	14.8	44.5	53.9	18.0	33.3	1190
C90873	8.52	15.0	44.1	51.7	17.6	34.0	1370
C90879	8.09	15.0	44.4	54.8	18.5	33.8	1182
C90881	8.60	14.5	43.1	50.1	16.8	33.6	1104
C90896	8.26	15.8	45.2	54.7	19.2	35.1	1133
MEAN	8.39	14.8	43.8	52.2	17.6	33.8	1199
S.D.	.585	1.12	3.17	1.82	.80	.56	97.5
N	10	10	10	10	10	10	10
Group: 4	Dose Level: 100		Dosage Unit: ppm				
C90908	8.58	15.0	44.0	51.3	17.5	34.1	1015
C90914	7.89	14.5	42.1	53.4	18.3	34.3	1004
C90923	8.69	14.7	43.5	50.0	17.0	33.9	1367
C90926	7.61	13.1	39.8	52.3	17.2	32.9	831
C90927	8.68	15.1	44.8	51.6	17.3	33.6	1000
C90934	8.46	14.3	43.2	51.1	16.9	33.0	1173
C90936	8.27	14.4	41.9	50.7	17.5	34.4	1111
C90944	8.30	14.8	43.2	52.0	17.9	34.4	1450
C90946	8.96	15.5	45.2	50.5	17.3	34.3	1224
C90956	9.08	15.3	45.5	50.1	16.9	33.8	1118
MEAN	8.45	14.7	43.3	51.3	17.4	33.9	1129
S.D.	.454	.68	1.73	1.06	.45	.55	184.1
N	10	10	10	10	10	10	10

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Individual Clinical Hematology Data

Males Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
Group: 1	Dose Level: 0		Dosage Unit: ppm								
C90712	7.1	2.6	3.5	.8	.1	.0	37	50	11	1	0
C90723	6.7	1.4	3.8	1.3	.2	.0	21	57	19	3	1
C90727	11.1	3.0	7.0	.8	.3	.0	27	63	8	2	0
C90730	6.9	1.9	3.9	.9	.2	.0	28	56	14	2	0
C90755	8.7	2.1	5.1	1.1	.3	.0	25	59	13	3	0
C90758	12.5	4.5	6.0	1.7	.2	.0	36	48	14	2	0
C90759	8.9	2.1	5.8	.8	.2	.0	24	65	9	2	0
C90764	8.2	2.5	4.7	.8	.1	.0	31	57	10	2	0
C90766	9.3	2.5	5.8	.9	.1	.0	27	62	10	1	0
C90774	5.4	1.6	3.2	.4	.1	.0	30	59	8	2	0
MEAN	8.5	2.4	4.9	1.0	.2	.0	29	58	12	2	0
S.D.	2.14	.88	1.26	.35	.08	.00	5.1	5.4	3.4	.7	.3
N	10	10	10	10	10	10	10	10	10	10	10
Group: 2	Dose Level: 3		Dosage Unit: ppm								
C90781	8.2	2.4	5.0	.6	.1	.0	30	61	8	1	0
C90792	8.4	1.8	5.4	.8	.2	.0	22	65	10	2	0
C90793	7.7	1.7	5.1	.7	.1	.0	22	66	9	2	0
C90798	9.1	3.6	4.5	.9	.2	.0	39	49	10	2	0
C90799	6.9	1.8	3.9	1.0	.1	.0	27	56	15	1	0
C90800	5.4	1.1	3.7	.5	.1	.0	21	68	9	1	0
C90812	8.1	1.3	5.8	.7	.2	.0	16	72	8	3	0
C90822	7.5	1.5	4.6	1.2	.2	.0	20	61	16	2	0
C90829	8.9	1.6	5.7	1.4	.1	.1	18	64	16	1	1
C90832	8.8	2.5	5.0	1.1	.1	.0	29	57	12	1	0
MEAN	7.9	1.9	4.9	.9	.1	.0	24	62	11	2	0
S.D.	1.11	.73	.70	.28	.05	.03	6.9	6.6	3.2	.7	.3
N	10	10	10	10	10	10	10	10	10	10	10

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Individual Clinical Hematology Data

Males Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
Group: 3	Dose Level: 30		Dosage Unit: ppm								
C90841	9.7	3.4	4.9	1.3	.2	.0	34	50	13	2	0
C90850	9.7	3.1	6.4	.1	.1	.0	32	66	1	2	0
C90854	8.5	2.8	5.0	.5	.1	.0	33	60	6	1	0
C90855	7.7	1.3	5.8	.5	.1	.0	17	75	7	1	0
C90856	8.8	1.5	6.1	1.0	.2	.0	17	69	11	2	0
C90859	8.2	2.8	4.3	1.0	.1	.0	34	53	12	2	0
C90873	9.8	1.4	7.2	1.0	.2	.0	15	73	10	2	0
C90879	9.8	2.9	5.8	.9	.3	.0	29	59	9	3	0
C90881	8.8	3.2	5.5	.0	.1	.0	36	63	0	1	0
C90896	7.4	2.6	3.8	.9	.1	.0	34	52	12	1	0
MEAN	8.8	2.5	5.5	.7	.2	.0	28	62	8	2	0
S.D.	.90	.79	1.01	.43	.07	.00	8.3	8.8	4.6	.7	.0
N	10	10	10	10	10	10	10	10	10	10	10
Group: 4	Dose Level: 100		Dosage Unit: ppm								
C90908	6.9	1.5	4.1	1.1	.2	.0	22	60	16	2	0
C90914	6.2	1.6	3.9	.5	.1	.0	26	63	9	2	0
C90923	8.3	2.4	4.6	1.1	.2	.0	29	55	13	2	0
C90926	7.8	1.0	6.0	.7	.1	.0	13	77	8	1	0
C90927	7.9	1.5	5.3	.9	.1	.0	19	67	12	1	0
C90934	3.7	1.0	1.8	.7	.1	.0	29	50	18	2	0
C90936	9.5	2.3	6.0	.9	.2	.0	24	64	9	2	0
C90944	10.6	2.1	7.6	.8	.2	.0	20	72	7	2	0
C90946	8.5	2.3	5.2	.7	.2	.0	27	62	9	3	0
C90956	5.3	2.0	2.4	.7	.1	.0	39	46	13	2	1
MEAN	7.5	1.8	4.7	.8	.2	.0	25	62	11	2	0
S.D.	2.02	.53	1.74	.19	.05	.00	7.1	9.5	3.6	.6	.3
N	10	10	10	10	10	10	10	10	10	10	10

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Males Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	ANISO	POLY	POIK	HYPO	TOXNEUT
Group: 1	Dose Level: 0		Dosage Unit: ppm		
C90712	-	-	-	-	-
C90723	-	-	-	-	-
C90727	-	-	-	-	-
C90730	-	-	-	-	-
C90755	-	-	-	-	-
C90758	-	-	-	-	-
C90759	-	-	-	-	-
C90764	-	-	-	-	-
C90766	-	-	-	-	-
C90774	1	-	-	-	-
Group: 2	Dose Level: 3		Dosage Unit: ppm		
C90781	-	-	-	-	-
C90792	-	-	-	-	-
C90793	-	-	-	-	-
C90798	-	-	-	-	-
C90799	-	-	-	-	-
C90800	-	-	-	-	-
C90812	-	-	-	-	-
C90822	-	-	-	-	-
C90829	-	-	-	-	-
C90832	-	-	-	-	-

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	ANISO	POLY	POIK	HYPO	TOXNEUT
Group: 3	Dose Level: 30		Dosage Unit: ppm		
C90841	-	-	-	-	-
C90850	-	-	-	-	-
C90854	-	-	-	-	-
C90855	-	-	-	-	-
C90856	-	-	-	-	-
C90859	-	-	-	-	-
C90873	-	-	-	-	-
C90879	-	-	-	-	-
C90881	-	-	-	-	-
C90896	-	-	-	-	-
Group: 4	Dose Level: 100		Dosage Unit: ppm		
C90908	-	-	-	-	-
C90914	-	-	-	-	-
C90923	-	-	-	-	-
C90926	-	-	-	-	-
C90927	-	-	-	-	-
C90934	-	-	-	-	-
C90936	-	-	-	-	-
C90944	-	-	-	-	-
C90946	-	-	-	-	-
C90956	-	-	-	-	-

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Females Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
Group: 1	Dose Level: 0		Dosage Unit: ppm				
C91123	7.38	14.7	43.0	58.2	20.0	34.3	851
C91125	7.82	14.4	42.8	54.7	18.5	33.7	870
C91131	8.47	15.3	45.5	53.8	18.1	33.7	1215
C91132	7.48	15.0	43.2	57.8	20.1	34.7	980
C91153	7.97	15.1	44.6	56.0	18.9	33.8	966
C91156	4.19	10.3	28.7	68.6	24.5	35.8	948
C91158	7.81	15.8	46.1	59.0	20.2	34.2	908
C91178	7.60	14.7	42.9	56.5	19.3	34.2	958
C91180	5.24	11.1	31.8	60.7	21.1	34.8	1113
C91189	8.30	16.1	46.7	56.3	19.4	34.5	1168
MEAN	7.23	14.2	41.5	58.2	20.0	34.4	998
S.D.	1.388	1.95	6.15	4.19	1.81	.64	125.1
N	10	10	10	10	10	10	10
Group: 2	Dose Level: 3		Dosage Unit: ppm				
C91194	7.17	13.3	39.7	55.4	18.5	33.5	1103
C91197	7.31	14.6	42.8	58.5	20.0	34.1	819
C91199	8.20	15.1	45.2	55.2	18.5	33.5	931
C91200	8.04	15.6	46.8	58.2	19.4	33.3	994
C91206	7.28	14.2	42.8	58.8	19.6	33.3	890
C91227	7.37	14.4	42.2	57.2	19.5	34.1	1012
C91229	6.76	14.1	40.6	60.1	20.9	34.7	1029
C91231	7.81	15.2	44.5	56.9	19.5	34.2	881
C91244	7.90	14.2	43.1	54.5	17.9	32.9	669
C91250	6.32	12.0	36.3	57.5	19.1	33.2	1019
MEAN	7.42	14.3	42.4	57.2	19.3	33.7	935
S.D.	.589	1.03	2.99	1.78	.85	.56	125.9
N	10	10	10	10	10	10	10

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Individual Clinical Hematology Data

Females Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
Group: 3	Dose Level: 30		Dosage Unit: ppm				
C91255	7.97	15.3	44.6	56.0	19.2	34.4	937
C91258	8.01	15.7	46.2	57.7	19.6	34.0	1198
C91264	7.52	15.3	43.9	58.4	20.4	34.9	775
C91269	7.49	13.9	41.0	54.7	18.5	33.8	924
C91270	4.77	9.8	28.6	59.9	20.5	34.2	948
C91274	7.23	14.7	42.1	58.2	20.3	34.8	692
C91289	8.13	16.9	50.1	61.6	20.7	33.7	922
C91294	7.91	14.5	43.4	54.9	18.4	33.5	1007
C91297	7.79	14.9	44.5	57.1	19.1	33.5	875
C91305	7.60	14.8	43.8	57.7	19.5	33.7	897
MEAN	7.44	14.6	42.8	57.6	19.6	34.0	918
S.D.	.979	1.86	5.57	2.13	.83	.51	133.9
N	10	10	10	10	10	10	10
Group: 4	Dose Level: 100		Dosage Unit: ppm				
C91314	6.14	13.0	37.6	61.2	21.1	34.5	773
C91319	7.40	14.5	41.9	56.6	19.7	34.7	868
C91326	7.56	14.8	42.6	56.3	19.6	34.7	765
C91334	8.03	15.1	44.0	54.8	18.8	34.3	977
C91346	6.98	13.6	40.0	57.4	19.5	34.0	903
C91356	4.55	9.6	27.3	59.9	21.0	35.1	935
C91359	6.35	12.6	37.2	58.5	19.8	33.8	936
C91363	7.46	14.0	40.1	53.8	18.7	34.8	974
C91372	7.50	14.6	42.2	56.3	19.4	34.5	979
C91373	7.23	14.3	40.7	56.3	19.7	35.1	962
MEAN	6.92	13.6	39.4	57.1	19.7	34.6	907
S.D.	1.008	1.62	4.74	2.24	.79	.43	80.9
N	10	10	10	10	10	10	10

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Individual Clinical Hematology Data

Females Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
Group: 1	Dose Level: 0		Dosage Unit: ppm								
C91123	4.0	1.0	2.4	.4	.1	.0	26	60	11	3	0
C91125	5.0	.9	3.2	.7	.1	.0	19	64	15	2	1
C91131	3.4	.5	2.3	.5	.1	.0	16	67	14	2	1
C91132	5.0	.9	3.4	.6	.1	.0	19	68	12	2	0
C91153	4.2	.7	2.8	.5	.1	.0	18	68	12	2	0
C91156	4.9	1.2	3.0	.6	.1	.0	24	61	13	2	0
C91158	4.9	1.7	2.4	.6	.1	.0	35	50	13	2	0
C91178	4.0	1.2	2.2	.5	.1	.0	30	54	12	3	0
C91180	5.2	1.7	2.6	.6	.2	.0	34	51	12	3	0
C91189	4.3	1.2	2.5	.5	.1	.0	27	58	12	2	0
MEAN	4.5	1.1	2.7	.6	.1	.0	25	60	13	2	0
S.D.	.59	.39	.40	.08	.03	.00	6.8	6.8	1.2	.5	.4
N	10	10	10	10	10	10	10	10	10	10	10
Group: 2	Dose Level: 3		Dosage Unit: ppm								
C91194	5.3	1.2	3.4	.6	.1	.0	23	65	10	2	0
C91197	5.2	1.8	2.6	.6	.2	.0	34	50	11	4	0
C91199	4.2	.6	2.9	.6	.1	.0	14	70	14	1	0
C91200	3.2	.9	1.8	.4	.1	.0	28	57	13	2	0
C91206	6.4	1.4	4.2	.7	.1	.0	22	65	11	2	0
C91227	3.8	.6	2.8	.4	.1	.0	15	72	10	3	0
C91229	3.4	.8	2.1	.4	.1	.0	24	61	13	2	0
C91231	3.2	.7	2.0	.4	.1	.0	21	64	12	3	0
C91244	9.5	5.9	2.0	1.5	.1	.1	62	21	16	1	1
C91250	4.0	.8	2.7	.4	.1	.0	21	67	11	2	0
MEAN	4.8	1.5	2.6	.6	.1	.0	26	59	12	2	0
S.D.	1.95	1.60	.74	.34	.03	.03	13.8	14.8	1.9	.9	.3
N	10	10	10	10	10	10	10	10	10	10	10

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Individual Clinical Hematology Data

Females Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
Group: 3	Dose Level: 30		Dosage Unit: ppm								
C91255	7.0	1.5	4.7	.7	.1	.0	22	67	9	2	0
C91258	6.0	2.3	3.0	.6	.1	.0	38	49	11	2	0
C91264	4.0	.8	2.7	.5	.1	.0	19	67	12	3	0
C91269	3.9	1.0	2.4	.3	.1	.0	25	63	9	3	0
C91270 a	6.2	1.7	4.3	.1	.1	.0	28	69	2	1	0
C91274	7.6	1.2	5.8	.5	.1	.0	16	76	6	2	0
C91289	8.1	1.1	6.2	.7	.1	.0	13	76	9	1	0
C91294	4.0	.6	2.7	.4	.3	.0	16	66	11	6	0
C91297	4.1	1.0	2.3	.7	.1	.0	24	57	16	3	0
C91305	5.9	1.0	4.3	.4	.2	.0	17	73	6	3	0
MEAN	5.7	1.2	3.8	.5	.1	.0	22	66	9	3	0
S.D.	1.60	.49	1.43	.20	.07	.00	7.4	8.4	3.8	1.4	.0
N	10	10	10	10	10	10	10	10	10	10	10
Group: 4	Dose Level: 100		Dosage Unit: ppm								
C91314	5.6	1.7	2.8	1.0	.1	.0	30	50	18	2	0
C91319	6.1	1.6	4.0	.3	.2	.0	26	66	4	4	0
C91326	4.1	1.2	2.2	.7	.0	.0	30	53	16	1	0
C91334	6.6	1.4	4.2	.8	.2	.0	21	65	12	3	0
C91346	5.2	1.6	2.8	.7	.1	.0	31	54	13	2	0
C91356	6.2	2.0	3.5	.5	.2	.0	32	56	8	3	1
C91359	6.0	1.2	3.9	.7	.1	.0	21	65	11	2	0
C91363	6.5	1.8	3.8	.7	.1	.0	27	60	11	2	0
C91372	6.3	2.2	3.4	.5	.2	.0	34	54	8	3	0
C91373	5.7	1.4	3.3	.7	.3	.0	24	58	12	5	0
MEAN	5.8	1.6	3.4	.7	.2	.0	28	58	11	3	0
S.D.	.74	.33	.63	.19	.08	.00	4.6	5.7	4.0	1.2	.3
N	10	10	10	10	10	10	10	10	10	10	10

a Differential was read manually.

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Individual Clinical Hematology Data

Females Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	ANISO	POLY	POIK	HYPO	TOXNEUT
Group: 1	Dose Level: 0		Dosage Unit: ppm		
C91123	-	-	-	-	-
C91125	-	-	-	-	-
C91131	-	-	-	-	-
C91132	-	-	-	-	-
C91153	-	-	-	-	-
C91156	-	1	-	-	-
C91158	-	-	-	-	-
C91178	-	-	-	-	-
C91180	1	-	1	-	-
C91189	-	-	-	-	-
Group: 2	Dose Level: 3		Dosage Unit: ppm		
C91194	-	-	-	-	-
C91197	-	-	-	-	-
C91199	-	-	-	-	-
C91200	-	-	-	-	-
C91206	-	-	-	-	-
C91227	-	-	-	-	-
C91229	-	-	-	-	-
C91231	-	-	-	-	-
C91244	-	-	-	-	-
C91250	-	-	-	-	-

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Individual Clinical Hematology Data

Females Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	ANISO	POLY	POIK	HYPO	TOXNEUT
Group: 3	Dose Level: 30		Dosage Unit: ppm		
C91255	-	-	-	-	-
C91258	-	-	-	-	-
C91264	-	-	-	-	-
C91269	-	-	-	-	-
C91270	-	-	-	-	-
C91274	-	-	-	-	-
C91289	-	-	-	-	-
C91294	-	-	-	-	-
C91297	-	-	-	-	-
C91305	-	-	-	-	-
Group: 4	Dose Level: 100		Dosage Unit: ppm		
C91314	-	-	-	-	-
C91319	-	-	-	-	-
C91326	-	-	-	-	-
C91334	-	-	-	-	-
C91346	-	-	-	-	-
C91356	1	1	-	-	-
C91359	-	-	-	-	-
C91363	-	-	-	-	-
C91372	-	-	-	-	-
C91373	-	-	-	-	-

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Individual Clinical Chemistry Data

Males Week 4

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	PCOAO IU/G
Group: 1 Dose Level: 0	Dosage Unit: ppm
C90719	10
C90725	10
C90732	5
C90753	1
C90775	8
MEAN	7
S.D.	3.8
N	5
Group: 2 Dose Level: 3	Dosage Unit: ppm
C90789	6
C90814	7
C90817	7
C90833	12
C90834	6
MEAN	8
S.D.	2.5
N	5
Group: 3 Dose Level: 30	Dosage Unit: ppm
C90846	10
C90853	9
C90866	10
C90890	6
C90891	8
MEAN	9
S.D.	1.7
N	5

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Individual Clinical Chemistry Data

Males Week 4

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	PCOAO IU/G
Group: 4	Dose Level: 100 Dosage Unit: ppm
C90935	6
C90939	9
C90942	5
C90961	4
C90966	6
MEAN	6
S.D.	1.9
N	5
Group: 5	Dose Level: 300 Dosage Unit: ppm
C90984	19
C91005	16
C91024	12
C91033	12
C91037	10
MEAN	14
S.D.	3.6
N	5

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Individual Clinical Chemistry Data

Females Week 4

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	PCOAO IU/G
Group: 1 Dose Level: 0	Dosage Unit: ppm
C91135	1
C91143	0
C91165	7
C91169	3
C91171	4
MEAN	3
S.D.	2.7
N	5
Group: 2 Dose Level: 3	Dosage Unit: ppm
C91198	3
C91205	7
C91222	4
C91230	6
C91237	6
MEAN	5
S.D.	1.6
N	5
Group: 3 Dose Level: 30	Dosage Unit: ppm
C91251	7
C91272	5
C91285	2
C91287	4
C91291	0
MEAN	4
S.D.	2.7
N	5

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Individual Clinical Chemistry Data

Females Week 4

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	PCOAO IU/G
Group: 4	Dose Level: 100 Dosage Unit: ppm
C91316	7
C91317	3
C91333	4
C91345	6
C91350	4
MEAN	5
S.D.	1.6
N	5
Group: 5	Dose Level: 300 Dosage Unit: ppm
C91423	9
C91427	11
C91430	9
C91443	27
C91448	19
MEAN	15
S.D.	7.9
N	5

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Individual Clinical Chemistry Data

Males Week 8

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
Group: 1	Dose Level: 0		Dosage Unit: ppm					
C90717	112	11	.7	6.4	4.4	2.0	.0	44
C90718	110	16	1.0	7.4	4.9	2.5	.1	74
C90737	105	12	.7	6.4	4.5	1.9	.1	51
C90756	108	13	.7	6.4	4.5	1.9	.2	40
C90769	96	13	.7	7.1	4.6	2.5	.2	57
MEAN	106	13	.8	6.7	4.6	2.2	.1	53
S.D.	6.3	1.9	.13	.48	.19	.31	.08	13.3
N	5	5	5	5	5	5	5	5
Group: 5	Dose Level: 300		Dosage Unit: ppm					
C90971	100	18	.6	7.0	5.5	1.5	.4	3
C90972	93	21	.7	6.7	5.4	1.3	.4	2
C90988	92	17	.8	6.4	4.9	1.5	.4	6
C90996	86	15	.7	7.2	5.7	1.5	.6	14
C91017	101	17	.6	8.0	5.9	2.1	.5	11
MEAN	94	18	.7	7.1	5.5	1.6	.5	7
S.D.	6.2	2.2	.08	.61	.38	.30	.09	5.2
N	5	5	5	5	5	5	5	5

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Individual Clinical Chemistry Data

Males Week 8

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
Group: 1	Dose Level: 0		Dosage Unit: ppm					
C90717	96	46	3	10.7	8.3	147	5.4	104
C90718	151	36	4	10.7	6.6	148	6.0	102
C90737	123	52	1	10.4	8.6	146	5.5	101
C90756	90	36	3	10.5	8.1	150	5.9	106
C90769	103	39	0	10.2	7.5	148	5.6	104
MEAN	113	42	2	10.5	7.8	148	5.7	103
S.D.	24.8	7.0	1.6	.21	.79	1.5	.26	1.9
N	5	5	5	5	5	5	5	5
Group: 5	Dose Level: 300		Dosage Unit: ppm					
C90971	166	219	3	10.7	8.0	148	5.4	103
C90972	256	633	1	10.1	7.8	146	5.8	106
C90988	169	250	1	10.4	7.9	149	5.4	104
C90996	104	67	0	10.7	7.3	147	6.1	103
C91017	202	187	0	10.3	7.3	145	5.4	100
MEAN	179	271	1	10.4	7.7	147	5.6	103
S.D.	55.6	213.8	1.2	.26	.34	1.6	.32	2.2
N	5	5	5	5	5	5	5	5

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Individual Clinical Chemistry Data

Males Week 8

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	PCOAO IU/G
Group: 1	Dose Level: 0 Dosage Unit: ppm
C90717	10
C90718	3
C90737	12
C90756	11
C90769	9
MEAN	9
S.D.	3.5
N	5
Group: 5	Dose Level: 300 Dosage Unit: ppm
C90971	28
C90972	29
C90988	33
C90996	22
C91017	20
MEAN	26
S.D.	5.3
N	5

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Females Week 8

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
Group: 1	Dose Level: 0		Dosage Unit: ppm					
C91126	107	17	.9	7.4	5.5	1.9	.3	53
C91140	115	11	.8	7.1	5.4	1.7	.3	55
C91145	107	13	.6	7.8	5.9	1.9	.3	66
C91162	97	13	.8	7.0	5.2	1.8	.1	91
C91163	120	12	.7	7.4	5.2	2.2	.3	79
MEAN	109	13	.8	7.3	5.4	1.9	.3	69
S.D.	8.8	2.3	.11	.31	.29	.19	.09	16.2
N	5	5	5	5	5	5	5	5
Group: 5	Dose Level: 300		Dosage Unit: ppm					
C91393	88	23	.8	6.5	5.5	1.0	.4	8
C91394	54	17	.9	8.0	6.2	1.8	.4	7
C91404	109	22	.7	7.5	5.9	1.6	.3	11
C91415	92	20	.7	7.3	6.0	1.3	.5	16
C91438	85	27	.9	9.2	7.2	2.0	.3	15
MEAN	86	22	.8	7.7	6.2	1.5	.4	11
S.D.	20.0	3.7	.10	1.00	.63	.40	.08	4.0
N	5	5	5	5	5	5	5	5

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Individual Clinical Chemistry Data

Females Week 8

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
Group: 1	Dose Level: 0		Dosage Unit: ppm					
C91126	131	38	3	11.6	11.4	151	7.0	108
C91140	115	31	1	10.7	6.3	145	5.6	103
C91145	119	33	2	11.2	7.7	148	5.8	102
C91162	115	31	0	10.7	7.3	146	5.5	102
C91163	166	77	1	11.1	9.3	148	5.7	102
MEAN	129	42	1	11.1	8.4	148	5.9	103
S.D.	21.6	19.8	1.1	.38	1.99	2.3	.61	2.6
N	5	5	5	5	5	5	5	5
Group: 5	Dose Level: 300		Dosage Unit: ppm					
C91393	98	54	0	10.9	9.2	148	5.7	107
C91394	120	60	1	11.3	7.3	147	5.4	104
C91404	159	104	2	10.9	7.6	146	5.7	104
C91415	73	44	0	10.9	8.4	150	5.2	103
C91438	273	208	4	11.8	10.3	153	6.1	105
MEAN	145	94	1	11.2	8.6	149	5.6	105
S.D.	78.4	67.7	1.7	.40	1.22	2.8	.34	1.5
N	5	5	5	5	5	5	5	5

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Females Week 8

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	PCOAO IU/G
Group: 1	Dose Level: 0 Dosage Unit: ppm
C91126	3
C91140	0
C91145	2
C91162	7
C91163	5
MEAN	3
S.D.	2.7
N	5
Group: 5	Dose Level: 300 Dosage Unit: ppm
C91393	37
C91394	24
C91404	20
C91415	26
C91438	22
MEAN	26
S.D.	6.6
N	5

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Individual Clinical Chemistry Data

Males Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
Group: 1	Dose Level: 0		Dosage Unit: ppm					
C90716	88	12	.6	7.2	4.9	2.3	.3	112
C90731	156	12	.7	7.0	4.7	2.3	.0	76
C90738	115	11	.6	7.3	5.1	2.2	.1	78
C90745	104	16	.6	7.1	4.7	2.4	.3	64
C90746	108	13	.6	7.4	5.1	2.3	.2	91
C90748	113	13	.6	8.0	5.2	2.8	.3	77
C90760	118	13	.6	7.7	5.0	2.7	.1	64
C90766	105	14	.8	7.8	5.0	2.8	.3	87
C90768	101	14	.6	7.3	5.0	2.3	.2	92
C90780	101	12	1.0	7.3	5.0	2.3	.4	76
MEAN	111	13	.7	7.4	5.0	2.4	.2	82
S.D.	18.0	1.4	.13	.32	.16	.23	.12	14.4
N	10	10	10	10	10	10	10	10
Group: 2	Dose Level: 3		Dosage Unit: ppm					
C90791	113	15	.7	6.9	4.5	2.4	.3	56
C90797	91	14	.7	7.1	4.7	2.4	.2	52
C90802	99	12	.6	7.0	4.8	2.2	.1	57
C90807	100	12	.7	7.1	4.9	2.2	.2	59
C90816	99	16	.8	7.1	4.8	2.3	.1	60
C90818	103	18	.7	6.8	4.6	2.2	.1	60
C90820	105	12	.7	6.8	4.6	2.2	.0	68
C90831	101	14	.8	7.8	4.9	2.9	.2	76
C90836	97	11	.7	7.2	4.9	2.3	.1	62
C90840	98	12	.7	7.1	4.7	2.4	.2	58
MEAN	101	14	.7	7.1	4.7	2.4	.2	61
S.D.	5.7	2.2	.06	.28	.14	.21	.08	6.8
N	10	10	10	10	10	10	10	10

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Males Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
Group: 3	Dose Level: 30		Dosage Unit: ppm					
C90843	96	16	.7	7.8	4.9	2.9	.0	44
C90851	103	16	.7	6.9	4.9	2.0	.1	52
C90852	94	11	.7	6.9	4.6	2.3	.3	55
C90856	105	13	.5	7.3	5.1	2.2	.0	47
C90863	112	12	.6	7.4	4.6	2.8	.0	70
C90877	99	17	.9	7.2	4.8	2.4	.2	52
C90880	114	12	.5	6.7	4.5	2.2	.1	64
C90888	91	15	.9	7.5	4.9	2.6	.1	48
C90892	91	13	.6	6.8	4.7	2.1	.2	52
C90897	110	13	.7	6.9	4.8	2.1	.2	50
MEAN	102	14	.7	7.1	4.8	2.4	.1	53
S.D.	8.6	2.0	.14	.36	.18	.31	.10	7.9
N	10	10	10	10	10	10	10	10
Group: 4	Dose Level: 100		Dosage Unit: ppm					
C90905	104	14	.7	7.3	5.5	1.8	.2	12
C90907	101	15	.7	6.8	4.7	2.1	.0	26
C90917	98	13	.6	7.5	5.1	2.4	.2	27
C90921	84	14	.7	7.2	5.1	2.1	.2	27
C90934	95	17	.6	7.2	5.3	1.9	.2	38
C90947	99	17	.6	6.9	5.0	1.9	.1	23
C90953	83	14	.6	7.8	5.3	2.5	.2	47
C90957	92	12	.6	7.0	4.9	2.1	.3	26
C90960	96	16	.7	7.6	5.2	2.4	.2	24
C90968	89	14	.6	7.2	4.8	2.4	.1	38
MEAN	94	15	.6	7.2	5.1	2.2	.2	29
S.D.	7.0	1.6	.05	.31	.25	.25	.08	9.8
N	10	10	10	10	10	10	10	10

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Individual Clinical Chemistry Data

Males Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
Group: 1	Dose Level: 0		Dosage Unit: ppm					
C90716	94	34	0	10.7	8.0	147	6.2	104
C90731	125	42	0	10.6	7.9	150	6.2	105
C90738	80	33	0	11.0	7.7	149	6.8	107
C90745	112	43	0	10.7	8.2	148	6.1	105
C90746	144	48	1	10.6	7.0	147	6.4	105
C90748	138	51	1	11.2	8.0	150	7.5	105
C90760	130	47	0	11.2	8.7	147	6.4	105
C90766	105	32	0	10.5	7.0	150	6.8	104
C90768	158	36	0	11.1	7.7	152	6.4	108
C90780	192	46	0	10.0	6.7	149	6.6	105
MEAN	128	41	0	10.8	7.7	149	6.5	105
S.D.	32.7	6.9	.4	.37	.62	1.7	.41	1.3
N	10	10	10	10	10	10	10	10
Group: 2	Dose Level: 3		Dosage Unit: ppm					
C90791	137	42	0	10.5	8.2	147	5.9	106
C90797	133	33	1	10.1	6.5	150	6.3	106
C90802	114	45	0	10.8	8.0	148	6.2	103
C90807	111	46	1	10.9	7.8	150	6.0	108
C90816	124	36	0	10.7	7.6	146	6.1	101
C90818	182	48	0	10.3	8.5	149	6.2	105
C90820	106	42	0	10.7	7.4	147	6.6	103
C90831	148	50	2	10.4	7.6	147	6.6	101
C90836	155	46	0	10.6	9.1	151	6.3	107
C90840	90	33	0	11.0	7.6	147	5.7	105
MEAN	130	42	0	10.6	7.8	148	6.2	104
S.D.	27.0	6.1	.7	.28	.69	1.7	.28	2.4
N	10	10	10	10	10	10	10	10

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Males Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
Group: 3	Dose Level: 30		Dosage Unit: ppm					
C90843	188	41	1	11.0	8.5	151	6.6	108
C90851	129	49	0	10.8	8.0	148	5.8	108
C90852	81	36	0	10.5	7.2	147	5.7	104
C90856	103	40	0	10.9	7.3	148	6.2	103
C90863	107	40	0	11.0	7.5	149	6.6	107
C90877	101	46	0	10.7	8.5	150	6.2	109
C90880	146	81	0	10.3	7.2	147	5.8	105
C90888	97	40	0	10.9	8.2	149	6.4	105
C90892	112	59	0	10.4	7.1	146	5.8	103
C90897	98	33	0	11.1	8.0	147	6.0	106
MEAN	116	46	0	10.8	7.8	148	6.1	106
S.D.	31.0	14.2	.3	.28	.55	1.5	.34	2.1
N	10	10	10	10	10	10	10	10
Group: 4	Dose Level: 100		Dosage Unit: ppm					
C90905	116	52	4	10.7	8.2	150	5.8	109
C90907	72	39	0	10.3	8.1	151	6.3	110
C90917	81	49	0	10.9	7.9	148	6.4	107
C90921	145	51	0	9.9	7.5	148	6.1	105
C90934	121	59	0	10.5	7.8	147	6.2	105
C90947	80	33	0	10.8	7.3	147	6.1	105
C90953	111	30	0	11.0	7.5	147	5.6	102
C90957	157	48	0	10.5	8.2	147	6.3	104
C90960	150	66	0	10.2	7.0	151	6.7	106
C90968	78	46	1	10.8	7.3	147	5.6	104
MEAN	111	47	0	10.6	7.7	148	6.1	106
S.D.	32.3	11.1	1.3	.35	.42	1.7	.35	2.4
N	10	10	10	10	10	10	10	10

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Individual Clinical Chemistry Data

Females Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
Group: 1	Dose Level: 0		Dosage Unit: ppm					
C91122	105	12	.7	7.4	5.5	1.9	.2	85
C91129	128	10	.7	8.3	5.8	2.5	.3	157
C91148	118	13	1.0	8.5	6.1	2.4	.1	88
C91155	105	15	.7	9.1	6.9	2.2	.3	129
C91160	102	13	.7	8.5	6.3	2.2	.4	88
C91174	109	13	.9	8.4	6.3	2.1	.2	51
C91176	97	14	.7	8.1	5.9	2.2	.1	86
C91178	92	15	.9	8.5	6.6	1.9	.3	104
C91181	108	13	.9	8.3	5.9	2.4	.2	73
C91182	100	14	.9	7.7	5.7	2.0	.1	86
MEAN	106	13	.8	8.3	6.1	2.2	.2	95
S.D.	10.4	1.5	.12	.47	.43	.21	.10	29.6
N	10	10	10	10	10	10	10	10
Group: 2	Dose Level: 3		Dosage Unit: ppm					
C91192	91	13	.6	7.3	5.3	2.0	.4	77
C91196	112	12	.7	8.0	6.2	1.8	.0	61
C91204	103	17	.9	8.1	6.2	1.9	.0	96
C91215	110	12	.6	8.1	6.1	2.0	.3	95
C91221	108	17	.7	7.5	5.4	2.1	.3	65
C91223	113	16	.8	8.3	6.2	2.1	.2	91
C91228	109	12	.8	8.3	6.1	2.2	.3	92
C91233	121	11	.8	8.4	6.5	1.9	.1	71
C91241	108	13	.7	8.4	6.5	1.9	.6	72
C91248	102	12	.8	7.7	5.6	2.1	.3	81
MEAN	108	14	.7	8.0	6.0	2.0	.2	80
S.D.	7.9	2.3	.10	.39	.43	.12	.18	12.9
N	10	10	10	10	10	10	10	10

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
Group: 3	Dose Level: 30		Dosage Unit: ppm					
C91262	101	20	.7	7.7	5.8	1.9	.1	51
C91274	95	16	.7	7.7	5.6	2.1	.2	86
C91281	127	14	1.0	8.3	6.2	2.1	.4	70
C91284	101	11	.7	8.3	6.0	2.3	.2	60
C91286	88	20	.6	7.4	5.7	1.7	.2	46
C91288	84	23	1.1	8.3	6.2	2.1	.1	101
C91293	94	16	.7	6.6	5.0	1.6	.0	55
C91299	88	15	.7	8.0	5.7	2.3	.0	57
C91304	94	13	.8	8.1	5.9	2.2	.0	73
C91305	97	13	.7	7.6	5.4	2.2	.1	89
MEAN	97	16	.8	7.8	5.8	2.0	.1	69
S.D.	11.9	3.8	.16	.53	.37	.24	.13	18.3
N	10	10	10	10	10	10	10	10
Group: 4	Dose Level: 100		Dosage Unit: ppm					
C91326	98	24	.7	8.0	6.0	2.0	.1	40
C91327	91	25	.8	7.9	6.2	1.7	.1	33
C91329	93	15	.7	8.1	5.9	2.2	.2	72
C91332	89	18	.6	8.1	6.2	1.9	.4	44
C91337	107	18	.7	8.2	6.4	1.8	.1	71
C91348	105	24	.8	8.4	6.0	2.4	.1	75
C91355	104	14	.8	8.8	6.1	2.7	.2	108
C91370	97	19	.9	7.9	6.2	1.7	.1	42
C91374	85	14	.5	8.3	6.3	2.0	.4	50
C91379	75	15	.8	7.7	5.8	1.9	.2	48
MEAN	94	19	.7	8.1	6.1	2.0	.2	58
S.D.	9.9	4.3	.12	.31	.19	.32	.12	22.9
N	10	10	10	10	10	10	10	10

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Individual Clinical Chemistry Data

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
Group: 1	Dose Level: 0		Dosage Unit: ppm					
C91122	73	22	0	11.4	7.4	146	6.3	107
C91129	118	36	0	11.6	8.3	151	6.5	108
C91148	118	53	0	11.8	6.7	153	7.3	108
C91155	157	87	0	11.0	5.1	148	5.4	107
C91160	102	30	3	10.8	5.5	147	4.8	105
C91174	161	33	1	11.3	8.5	151	6.7	107
C91176	80	28	0	11.0	5.5	146	5.4	104
C91178	81	32	0	11.9	7.5	148	6.3	104
C91181	100	37	0	11.5	7.9	150	5.9	107
C91182	106	36	0	11.1	7.1	147	5.0	102
MEAN	110	39	0	11.3	7.0	149	6.0	106
S.D.	30.2	18.5	1.0	.37	1.22	2.4	.80	2.0
N	10	10	10	10	10	10	10	10
Group: 2	Dose Level: 3		Dosage Unit: ppm					
C91192	115	26	0	10.8	6.7	146	6.0	104
C91196	72	27	0	11.4	5.6	147	6.2	106
C91204	98	28	0	11.3	6.6	148	5.2	105
C91215	88	43	0	12.0	8.4	150	6.8	104
C91221	103	33	0	10.8	7.3	144	5.5	104
C91223	93	36	1	11.4	8.2	149	6.4	105
C91228	75	41	0	11.8	7.6	148	7.0	104
C91233	103	27	1	11.4	7.1	147	6.1	103
C91241	116	36	1	11.6	6.5	149	5.4	105
C91248	92	25	0	11.3	8.6	149	6.4	107
MEAN	96	32	0	11.4	7.3	148	6.1	105
S.D.	14.8	6.5	.5	.38	.95	1.8	.59	1.2
N	10	10	10	10	10	10	10	10

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Individual Clinical Chemistry Data

Females Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
Group: 3	Dose Level: 30		Dosage Unit: ppm					
C91262	140	30	0	10.6	7.4	151	6.0	107
C91274	112	40	1	11.1	6.9	145	5.3	103
C91281	115	37	0	11.4	6.1	152	5.9	105
C91284	101	32	0	10.9	7.5	150	5.9	105
C91286	126	34	1	10.7	7.5	146	5.8	106
C91288	122	27	1	11.2	5.7	149	6.4	105
C91293	113	24	0	9.9	6.2	150	5.9	108
C91299	135	43	0	11.0	8.7	148	5.8	107
C91304	127	34	0	10.2	5.5	148	5.2	105
C91305	86	39	0	11.0	6.3	148	6.0	106
MEAN	118	34	0	10.8	6.8	149	5.8	106
S.D.	16.0	6.0	.5	.46	1.00	2.2	.35	1.4
N	10	10	10	10	10	10	10	10
Group: 4	Dose Level: 100		Dosage Unit: ppm					
C91326	70	31	2	10.8	6.1	147	6.1	105
C91327	75	35	0	10.8	6.3	145	5.3	104
C91329	76	27	3	11.3	7.2	147	6.2	105
C91332	74	34	0	11.4	6.7	149	6.4	106
C91337	76	26	0	11.3	6.1	150	5.4	109
C91348	93	31	4	11.3	6.9	150	6.0	104
C91355	95	40	2	11.4	6.7	150	5.9	108
C91370	85	39	1	11.3	8.5	152	5.5	110
C91374	105	37	0	11.1	7.5	148	6.2	106
C91379	124	34	0	10.7	6.5	148	5.9	104
MEAN	87	33	1	11.1	6.8	149	5.9	106
S.D.	17.1	4.7	1.5	.27	.74	2.0	.37	2.2
N	10	10	10	10	10	10	10	10

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Individual Clinical Chemistry Data

Males Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
Group: 1	Dose Level: 0		Dosage Unit: ppm					
C90721	123	11	.6	7.4	4.6	2.8	.2	157
C90735	83	11	.7	7.3	4.6	2.7	.0	73
C90736	109	11	.4	6.9	4.2	2.7	.1	72
C90738	101	10	.6	7.8	5.1	2.7	.1	95
C90739	108	13	.5	7.4	4.7	2.7	.3	101
C90747	95	11	.6	7.2	4.5	2.7	.3	75
C90751	112	11	.6	7.4	4.6	2.8	.0	79
C90752	101	11	.7	7.2	4.4	2.8	.0	122
C90755	120	11	.7	7.0	4.5	2.5	.1	61
C90766	111	14	.9	7.9	4.9	3.0	.3	124
MEAN	106	11	.6	7.4	4.6	2.7	.1	96
S.D.	11.8	1.2	.13	.31	.25	.13	.13	30.3
N	10	10	10	10	10	10	10	10
Group: 2	Dose Level: 3		Dosage Unit: ppm					
C90795	95	9	.7	7.7	4.9	2.8	.2	78
C90799	105	12	.7	6.9	4.4	2.5	.2	95
C90802	102	12	.7	7.1	4.4	2.7	.2	74
C90803	123	14	.8	7.8	5.4	2.4	.2	112
C90805	115	12	.6	7.6	4.8	2.8	.3	82
C90806	91	13	.4	6.7	4.1	2.6	.3	58
C90824	98	13	.6	7.8	5.0	2.8	.2	88
C90825	109	13	.7	7.6	4.9	2.7	.1	106
C90839	114	12	.6	7.5	5.1	2.4	.0	111
C90840	128	16	.8	6.8	4.5	2.3	.0	59
MEAN	108	13	.7	7.4	4.8	2.6	.2	86
S.D.	12.1	1.8	.12	.43	.39	.19	.11	19.8
N	10	10	10	10	10	10	10	10

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Individual Clinical Chemistry Data

Males Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
Group: 3	Dose Level: 30		Dosage Unit: ppm					
C90847	102	14	.7	6.7	4.4	2.3	.2	47
C90855	101	14	.6	6.6	4.1	2.5	.2	42
C90858	86	16	.8	8.0	5.2	2.8	.0	102
C90859	96	13	.8	7.9	5.1	2.8	.0	67
C90864	110	14	.7	6.9	4.3	2.6	.1	60
C90865	96	13	.6	7.6	5.2	2.4	.1	64
C90871	100	13	.8	6.8	4.6	2.2	.1	89
C90872	98	11	.5	6.9	4.5	2.4	.1	86
C90882	101	12	.6	7.4	4.8	2.6	.3	60
C90886	95	10	.7	6.9	4.4	2.5	.0	68
MEAN	98	13	.7	7.2	4.7	2.5	.1	68
S.D.	6.2	1.7	.10	.51	.39	.20	.10	18.8
N	10	10	10	10	10	10	10	10
Group: 4	Dose Level: 100		Dosage Unit: ppm					
C90916	97	14	.6	7.4	5.2	2.2	.1	40
C90931	97	13	.6	7.7	5.4	2.3	.0	35
C90937	98	14	.7	7.3	4.8	2.5	.2	60
C90940	96	13	.6	7.8	5.3	2.5	.0	43
C90944	100	18	.6	8.1	5.8	2.3	.0	69
C90945	92	14	.5	7.2	5.2	2.0	.2	19
C90954	86	15	.6	7.6	5.3	2.3	.2	35
C90956	79	16	.8	7.9	5.3	2.6	.0	42
C90957	104	16	.4	7.9	5.3	2.6	.2	22
C90963	99	14	.7	8.1	5.1	3.0	.3	59
MEAN	95	15	.6	7.7	5.3	2.4	.1	42
S.D.	7.3	1.6	.11	.32	.25	.28	.11	16.2
N	10	10	10	10	10	10	10	10

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Individual Clinical Chemistry Data

Males Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
Group: 1	Dose Level: 0		Dosage Unit: ppm					
C90721	94	43	0	11.4	8.2	148	7.0	105
C90735	91	41	1	11.3	8.2	148	6.5	105
C90736	118	30	1	10.3	6.1	148	6.2	105
C90738	84	35	4	10.8	6.8	150	6.7	108
C90739	103	31	1	10.6	6.3	151	6.3	106
C90747	108	34	0	10.5	7.6	147	5.9	106
C90751	110	77	2	11.2	8.3	148	7.4	107
C90752	165	35	3	10.7	7.8	149	7.3	106
C90755	163	40	0	10.5	7.7	147	6.5	106
C90766	109	31	1	10.6	6.7	153	6.9	108
MEAN	114	40	1	10.8	7.4	149	6.7	106
S.D.	28.0	13.8	1.3	.38	.82	1.9	.48	1.1
N	10	10	10	10	10	10	10	10
Group: 2	Dose Level: 3		Dosage Unit: ppm					
C90795	99	37	1	10.3	6.0	146	5.8	104
C90799	89	33	0	10.2	6.3	146	6.0	104
C90802	117	47	1	10.5	7.0	146	6.5	104
C90803	215	101	2	11.2	7.5	152	7.0	107
C90805	121	43	0	10.6	6.8	147	6.3	105
C90806	142	30	0	10.1	6.7	147	6.2	108
C90824	130	37	0	10.5	7.0	143	5.4	100
C90825	97	33	0	11.2	7.7	148	6.8	105
C90839	96	31	0	10.9	7.9	147	6.2	105
C90840	87	33	0	10.5	6.1	148	5.8	108
MEAN	119	42	0	10.6	6.9	147	6.2	105
S.D.	38.3	21.2	.7	.39	.66	2.3	.48	2.4
N	10	10	10	10	10	10	10	10

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Males Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
Group: 3	Dose Level: 30		Dosage Unit: ppm					
C90847	84	52	0	10.8	7.2	148	6.7	109
C90855	82	48	3	10.5	7.3	146	5.7	106
C90858	123	58	0	11.1	7.1	148	6.5	105
C90859	116	37	0	10.6	7.0	148	6.1	105
C90864	142	83	0	10.4	6.7	146	6.4	106
C90865	84	36	1	10.9	7.2	149	6.5	105
C90871	209	136	1	10.3	7.2	147	6.1	107
C90872	90	40	0	10.0	6.8	145	5.9	106
C90882	102	39	0	10.7	7.2	146	6.7	105
C90886	108	44	1	11.0	8.2	145	6.8	106
MEAN	114	57	1	10.6	7.2	147	6.3	106
S.D.	38.7	31.0	1.0	.34	.40	1.4	.37	1.2
N	10	10	10	10	10	10	10	10
Group: 4	Dose Level: 100		Dosage Unit: ppm					
C90916	87	63	1	10.1	6.8	149	5.9	108
C90931	113	74	0	10.9	7.2	145	6.4	105
C90937	710	414	2	10.4	7.3	146	5.9	107
C90940	129	54	1	10.9	7.3	149	6.4	105
C90944	91	91	0	10.7	6.6	146	6.1	105
C90945	101	40	0	10.4	7.3	148	6.3	107
C90954	99	39	0	11.1	7.5	148	6.7	105
C90956	78	60	1	10.7	7.7	147	6.0	106
C90957	130	43	2	10.8	7.9	149	7.0	106
C90963	116	57	1	11.1	6.9	147	6.4	105
MEAN	165	94	1	10.7	7.2	147	6.3	106
S.D.	192.1	113.7	.8	.32	.40	1.4	.35	1.1
N	10	10	10	10	10	10	10	10

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
Group: 1	Dose Level: 0		Dosage Unit: ppm					
C91127	110	14	.5	8.1	6.0	2.1	.3	82
C91128	100	12	1.0	7.9	5.9	2.0	.2	103
C91133	98	15	.9	8.7	6.0	2.7	.2	93
C91137	102	15	.7	7.7	5.7	2.0	.3	72
C91144	88	14	.8	7.1	5.1	2.0	.2	100
C91153	86	13	.6	8.4	6.3	2.1	.3	96
C91154	96	16	.7	7.5	5.3	2.2	.0	75
C91158	93	13	.4	7.8	5.6	2.2	.1	103
C91161	105	17	.8	7.5	5.2	2.3	.2	62
C91183	133	25	1.2	9.3	6.8	2.5	.1	82
MEAN	101	15	.8	8.0	5.8	2.2	.2	87
S.D.	13.4	3.7	.24	.65	.53	.23	.10	14.3
N	10	10	10	10	10	10	10	10
Group: 2	Dose Level: 3		Dosage Unit: ppm					
C91196	118	15	.6	8.2	6.1	2.1	.1	76
C91207	99	15	.7	8.0	5.8	2.2	.2	125
C91210	109	13	.7	8.4	6.4	2.0	.2	110
C91211	101	13	.8	7.7	5.3	2.4	.1	124
C91214	107	14	.7	7.4	4.8	2.6	.0	121
C91221	100	17	1.0	7.9	5.2	2.7	.3	73
C91224	104	19	.7	8.1	5.7	2.4	.4	91
C91235	93	12	.6	8.2	6.1	2.1	.0	80
C91243	95	13	.7	8.8	6.1	2.7	.4	115
C91244	105	13	.7	9.3	6.6	2.7	.2	123
MEAN	103	14	.7	8.2	5.8	2.4	.2	104
S.D.	7.3	2.2	.11	.54	.57	.28	.14	21.4
N	10	10	10	10	10	10	10	10

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
Group: 3	Dose Level: 30		Dosage Unit: ppm					
C91252	104	13	.7	7.7	5.5	2.2	.2	78
C91254	91	20	.7	7.3	5.3	2.0	.2	72
C91264	99	16	.5	8.0	5.6	2.4	.2	95
C91267	111	14	.6	8.8	6.3	2.5	.3	119
C91283	121	11	.6	8.0	5.8	2.2	.3	80
C91286	101	23	.7	7.3	5.7	1.6	.1	59
C91292	116	19	.7	8.6	6.3	2.3	.1	90
C91295	114	14	.5	9.0	6.5	2.5	.5	109
C91301	108	16	.6	7.6	5.7	1.9	.2	93
C91303	107	14	.6	7.6	5.4	2.2	.1	60
MEAN	107	16	.6	8.0	5.8	2.2	.2	86
S.D.	8.9	3.7	.08	.61	.41	.28	.12	19.6
N	10	10	10	10	10	10	10	10
Group: 4	Dose Level: 100		Dosage Unit: ppm					
C91312	89	15	.7	9.2	6.7	2.5	.2	58
C91323	88	26	.8	9.1	6.6	2.5	.3	61
C91328	92	16	1.0	9.2	6.4	2.8	.4	75
C91339	89	15	.6	8.4	6.1	2.3	.0	85
C91340	93	23	.9	8.4	6.0	2.4	.3	41
C91351	79	15	.7	8.0	6.0	2.0	.0	93
C91354	97	23	.9	8.1	5.9	2.2	.2	77
C91357	107	37	1.3	8.3	6.2	2.1	.1	48
C91369	90	21	.7	7.9	5.8	2.1	.1	61
C91371	91	17	.7	8.8	6.2	2.6	.3	107
MEAN	92	21	.8	8.5	6.2	2.4	.2	71
S.D.	7.1	7.0	.21	.50	.30	.25	.14	20.6
N	10	10	10	10	10	10	10	10

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
Group: 1	Dose Level: 0		Dosage Unit: ppm					
C91127	102	39	0	10.8	5.6	147	5.6	108
C91128	101	23	0	10.7	6.2	146	5.4	104
C91133	97	31	0	11.2	5.4	151	6.1	105
C91137	101	45	0	10.9	5.9	148	6.1	107
C91144	183	47	0	10.9	6.7	146	6.5	106
C91153	116	40	0	11.3	6.4	145	5.8	102
C91154	109	30	0	10.6	6.7	148	7.1	107
C91158	141	64	2	10.7	5.8	142	5.5	102
C91161	110	31	1	10.6	5.9	145	6.3	106
C91183	164	88	3	11.9	5.9	152	6.8	105
MEAN	122	44	1	11.0	6.0	147	6.1	105
S.D.	30.0	19.3	1.1	.41	.44	2.9	.57	2.0
N	10	10	10	10	10	10	10	10
Group: 2	Dose Level: 3		Dosage Unit: ppm					
C91196	75	30	1	11.0	4.7	146	5.7	104
C91207	80	37	1	11.0	5.4	146	5.4	106
C91210	104	43	0	11.7	7.1	148	6.8	106
C91211	70	30	0	10.9	6.4	147	6.2	107
C91214	153	83	15	10.7	6.4	146	6.3	106
C91221	109	29	0	10.5	5.0	146	5.6	106
C91224	100	28	0	10.6	5.4	148	5.3	104
C91235	110	28	0	11.2	6.2	146	5.6	103
C91243	109	48	0	11.0	5.8	147	5.2	105
C91244	105	57	1	11.7	5.1	148	5.2	103
MEAN	102	41	2	11.0	5.8	147	5.7	105
S.D.	23.6	17.7	4.7	.41	.76	.9	.54	1.4
N	10	10	10	10	10	10	10	10

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
Group: 3	Dose Level: 30		Dosage Unit: ppm					
C91252	77	25	2	10.7	5.2	146	5.4	105
C91254	141	31	0	10.8	6.1	147	6.1	107
C91264	130	48	3	10.8	6.1	146	5.7	106
C91267	79	30	0	11.1	4.7	145	5.6	105
C91283	94	42	1	11.1	6.1	148	5.9	108
C91286	114	34	1	10.4	6.3	146	6.3	109
C91292	112	56	3	11.4	6.8	148	6.9	106
C91295	110	50	1	12.3	8.0	150	7.6	106
C91301	78	30	0	10.7	5.3	149	5.5	108
C91303	106	28	4	10.8	6.3	145	6.2	107
MEAN	104	37	2	11.0	6.1	147	6.1	107
S.D.	22.1	10.8	1.4	.53	.92	1.7	.69	1.3
N	10	10	10	10	10	10	10	10
Group: 4	Dose Level: 100		Dosage Unit: ppm					
C91312	61	26	1	11.3	5.7	144	4.9	100
C91323	122	69	0	11.0	4.9	146	4.6	104
C91328	52	26	0	11.2	6.5	150	5.6	104
C91339	78	42	1	11.4	6.1	146	5.6	104
C91340	92	34	2	10.9	5.9	146	6.2	107
C91351	144	59	2	11.4	6.5	145	6.1	103
C91354	91	52	0	10.8	6.0	146	6.4	106
C91357	112	36	4	11.0	7.2	148	6.8	106
C91369	104	48	0	11.2	6.1	146	6.3	106
C91371	197	76	2	11.5	6.8	146	5.2	102
MEAN	105	47	1	11.2	6.2	146	5.8	104
S.D.	42.4	17.3	1.3	.24	.63	1.6	.71	2.1
N	10	10	10	10	10	10	10	10

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
Group: 1	Dose Level: 0		Dosage Unit: ppm					
C90712	98	12	.8	7.2	5.0	2.2	.2	96
C90723	126	10	.7	7.7	4.5	3.2	.0	120
C90727	122	14	.7	7.5	4.3	3.2	.1	164
C90730	96	14	.6	7.4	4.3	3.1	.2	247
C90755	134	11	.5	7.0	4.4	2.6	.1	80
C90758	114	14	.7	7.2	4.3	2.9	.2	124
C90759	115	13	.6	7.3	4.6	2.7	.0	121
C90764	112	15	.7	6.9	4.1	2.8	.0	102
C90766	111	12	.7	7.9	4.2	3.7	.3	296
C90774	119	13	.5	6.6	4.3	2.3	.1	107
MEAN	115	13	.6	7.3	4.4	2.9	.1	146
S.D.	11.7	1.5	.10	.38	.25	.45	.10	70.8
N	10	10	10	10	10	10	10	10
Group: 2	Dose Level: 3		Dosage Unit: ppm					
C90781	106	12	.7	8.1	4.9	3.2	.0	141
C90792	128	12	.5	7.0	4.5	2.5	.2	107
C90793	97	14	.7	8.7	4.8	3.9	.3	180
C90798	117	9	.8	7.8	4.5	3.3	.2	110
C90799	100	13	.7	8.6	6.0	2.6	.0	98
C90800	117	10	.6	6.8	4.6	2.2	.0	78
C90812	114	14	.6	7.3	4.4	2.9	.2	119
C90822	104	12	.5	7.1	4.4	2.7	.1	179
C90829	125	12	.8	7.2	4.4	2.8	.2	88
C90832	101	13	.6	7.6	4.5	3.1	.4	94
MEAN	111	12	.6	7.6	4.7	2.9	.2	119
S.D.	10.8	1.6	.11	.67	.49	.48	.13	36.1
N	10	10	10	10	10	10	10	10

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
Group: 3	Dose Level: 30		Dosage Unit: ppm					
C90841	113	12	.8	7.1	4.6	2.5	.3	52
C90850	102	17	.5	7.0	4.7	2.3	.1	93
C90854	128	18	.8	7.2	4.7	2.5	.0	45
C90855	107	15	.4	7.0	4.5	2.5	.4	65
C90856	108	14	.4	7.2	4.9	2.3	.2	66
C90859	123	15	.8	7.6	5.0	2.6	.0	101
C90873	116	13	.8	7.4	4.7	2.7	.3	101
C90879	128	14	.7	7.8	4.5	3.3	.1	176
C90881	110	11	.7	7.7	4.5	3.2	.1	107
C90896	124	12	.9	6.9	4.5	2.4	.1	116
MEAN	116	14	.7	7.3	4.7	2.6	.2	92
S.D.	9.4	2.2	.18	.32	.18	.35	.13	38.3
N	10	10	10	10	10	10	10	10
Group: 4	Dose Level: 100		Dosage Unit: ppm					
C90908	123	15	.5	8.0	5.3	2.7	.0	41
C90914	118	15	.7	7.9	5.7	2.2	.0	77
C90923	132	14	.7	7.6	4.9	2.7	.2	46
C90926	119	13	.6	7.1	4.8	2.3	.1	31
C90927	126	14	.6	7.5	5.4	2.1	.0	63
C90934	108	15	.7	7.7	5.3	2.4	.2	39
C90936	112	13	.5	7.6	5.0	2.6	.1	46
C90944	105	15	.4	7.8	5.6	2.2	.2	91
C90946	95	16	.7	7.3	5.2	2.1	.2	23
C90956	89	14	.6	8.3	5.5	2.8	.1	35
MEAN	113	14	.6	7.7	5.3	2.4	.1	49
S.D.	13.7	1.0	.11	.35	.30	.27	.09	21.4
N	10	10	10	10	10	10	10	10

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
Group: 1	Dose Level: 0		Dosage Unit: ppm					
C90712	107	33	2	11.0	6.9	151	6.7	112
C90723	109	47	1	11.3	6.0	150	6.3	108
C90727	86	36	2	11.2	6.3	148	6.8	106
C90730	124	59	0	11.1	6.0	148	6.1	107
C90755	130	48	0	11.8	8.2	150	5.8	107
C90758	159	39	7	11.1	7.0	152	6.7	108
C90759	122	38	7	11.0	7.1	148	6.7	108
C90764	110	31	7	10.6	6.5	151	6.4	110
C90766	144	45	9	11.3	6.5	152	6.3	108
C90774	83	28	1	10.3	4.9	148	5.9	113
MEAN	117	40	4	11.1	6.5	150	6.4	109
S.D.	23.7	9.4	3.5	.41	.87	1.7	.36	2.3
N	10	10	10	10	10	10	10	10
Group: 2	Dose Level: 3		Dosage Unit: ppm					
C90781	80	44	1	11.2	6.9	152	6.7	108
C90792	81	42	0	10.6	6.3	150	6.7	110
C90793	110	57	6	11.5	7.9	153	6.8	107
C90798	129	39	6	11.0	6.7	148	7.1	105
C90799	114	45	0	11.3	5.9	149	5.4	108
C90800	120	45	7	10.3	6.4	150	6.1	108
C90812	104	42	3	10.9	6.8	151	5.9	107
C90822	88	34	4	10.8	6.5	151	6.8	108
C90829	96	42	4	11.0	6.8	148	6.5	108
C90832	153	85	0	11.2	7.0	150	6.8	109
MEAN	108	48	3	11.0	6.7	150	6.5	108
S.D.	22.9	14.4	2.7	.35	.53	1.6	.52	1.3
N	10	10	10	10	10	10	10	10

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Individual Clinical Chemistry Data

Males Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
Group: 3	Dose Level: 30		Dosage Unit: ppm					
C90841	133	73	0	10.9	6.3	151	6.9	112
C90850	112	37	8	10.6	5.9	148	6.4	109
C90854	109	35	0	10.4	6.3	148	6.6	111
C90855	148	82	8	10.7	7.4	151	6.6	108
C90856	109	56	0	11.0	6.2	150	6.2	109
C90859	79	38	5	11.2	7.0	149	5.8	107
C90873	125	76	10	11.1	7.9	151	6.5	110
C90879	76	40	0	11.3	6.8	152	7.3	110
C90881	75	30	0	11.2	6.9	151	6.2	109
C90896	88	44	10	10.7	7.2	146	6.2	107
MEAN	105	51	4	10.9	6.8	150	6.5	109
S.D.	25.4	19.2	4.5	.30	.62	1.9	.42	1.6
N	10	10	10	10	10	10	10	10
Group: 4	Dose Level: 100		Dosage Unit: ppm					
C90908	87	110	5	10.9	6.2	147	6.2	109
C90914	94	53	8	10.7	6.4	146	6.4	110
C90923	79	72	0	11.4	6.7	147	7.2	109
C90926	73	36	7	10.7	5.9	146	5.8	108
C90927	85	54	3	11.0	6.4	148	5.8	108
C90934	110	116	13	10.9	6.3	149	6.6	113
C90936	104	69	11	10.8	6.5	146	5.9	107
C90944	68	55	7	11.0	7.0	148	6.1	107
C90946	57	43	6	10.9	7.1	149	6.6	109
C90956	76	70	0	10.9	6.2	151	6.6	112
MEAN	83	68	6	10.9	6.5	148	6.3	109
S.D.	16.2	26.5	4.2	.20	.37	1.6	.45	2.0
N	10	10	10	10	10	10	10	10

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Individual Clinical Chemistry Data

Females Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
Group: 1	Dose Level: 0		Dosage Unit: ppm					
C91123	108	12	.7	7.9	5.9	2.0	.2	91
C91125	107	12	.9	8.5	6.2	2.3	.2	136
C91131	110	14	.8	7.6	5.3	2.3	.4	86
C91132	115	8	.6	7.5	5.5	2.0	.2	126
C91153	124	12	.6	7.7	5.9	1.8	.5	83
C91156	88	16	.6	7.9	5.7	2.2	.0	112
C91158	119	13	.6	8.5	6.0	2.5	.4	144
C91178	105	11	.9	8.9	6.6	2.3	.1	132
C91180	81	18	.7	6.8	5.1	1.7	.4	128
C91189	122	17	.8	9.1	7.0	2.1	.4	125
MEAN	108	13	.7	8.0	5.9	2.1	.3	116
S.D.	14.0	3.0	.12	.70	.58	.25	.16	22.1
N	10	10	10	10	10	10	10	10
Group: 2	Dose Level: 3		Dosage Unit: ppm					
C91194	107	13	.6	7.4	4.7	2.7	.3	95
C91197	126	14	.7	7.6	5.3	2.3	.1	140
C91199	113	13	.9	8.3	6.1	2.2	.2	100
C91200	91	11	.6	7.9	5.5	2.4	.0	71
C91206	89	13	.7	8.6	5.3	3.3	.1	197
C91227	117	12	.4	8.8	6.7	2.1	.3	112
C91229	104	11	.8	8.5	6.1	2.4	.0	111
C91231	116	13	.8	8.0	5.8	2.2	.1	72
C91244	103	11	.8	9.2	6.2	3.0	.0	144
C91250	88	16	.4	8.1	5.9	2.2	.6	151
MEAN	105	13	.7	8.2	5.8	2.5	.2	119
S.D.	13.0	1.6	.17	.55	.57	.40	.19	39.1
N	10	10	10	10	10	10	10	10

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Individual Clinical Chemistry Data

Females Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
Group: 3	Dose Level: 30		Dosage Unit: ppm					
C91255	76	16	.8	8.5	6.1	2.4	.3	61
C91258	99	12	.8	9.0	6.0	3.0	.2	94
C91264	100	13	.7	8.3	5.8	2.5	.2	102
C91269	95	15	.8	7.8	5.6	2.2	.3	72
C91270	93	18	.9	8.4	6.2	2.2	.1	94
C91274 SH	99	12	.9	8.5	6.1	2.4	.9	124
C91289	94	13	.6	8.8	5.9	2.9	.1	92
C91294	83	15	.8	8.1	5.5	2.6	.0	60
C91297	92	11	.8	7.9	6.0	1.9	.4	115
C91305	99	13	.8	8.2	5.9	2.3	.2	126
MEAN	93	14	.8	8.4	5.9	2.4	.3	94
S.D.	7.8	2.1	.09	.37	.22	.33	.25	23.9
N	10	10	10	10	10	10	10	10
Group: 4	Dose Level: 100		Dosage Unit: ppm					
C91314	88	26	.6	8.4	6.4	2.0	.3	65
C91319	101	15	.8	8.0	5.7	2.3	.3	86
C91326	86	15	.7	8.0	5.8	2.2	.0	69
C91334	122	14	.6	7.9	5.7	2.2	.2	68
C91346	107	13	.5	8.9	6.1	2.8	.2	79
C91356	98	21	.6	9.1	5.9	3.2	.0	144
C91359	110	16	.7	8.5	5.9	2.6	.0	83
C91363	113	17	.7	8.5	5.8	2.7	.1	96
C91372	109	12	.6	8.7	5.9	2.8	.1	104
C91373	96	15	.6	8.9	6.1	2.8	.2	89
MEAN	103	16	.6	8.5	5.9	2.6	.1	88
S.D.	11.3	4.2	.08	.42	.22	.37	.12	23.2
N	10	10	10	10	10	10	10	10

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Individual Clinical Chemistry Data

Females Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
Group: 1	Dose Level: 0		Dosage Unit: ppm					
C91123	116	63	3	11.0	5.2	147	5.7	107
C91125	80	41	1	11.5	5.6	148	5.6	106
C91131	113	36	0	10.9	5.6	151	5.6	111
C91132	112	33	0	10.2	4.6	148	5.7	109
C91153	63	31	4	11.2	6.3	145	6.7	106
C91156	85	31	4	10.8	5.6	147	5.1	106
C91158	130	51	4	11.4	6.0	148	5.1	102
C91178	85	32	0	11.5	5.9	148	6.1	107
C91180	184	80	0	10.6	6.0	144	5.0	101
C91189	106	36	2	11.5	7.4	151	5.6	100
MEAN	107	43	2	11.1	5.8	148	5.6	106
S.D.	33.7	16.5	1.8	.44	.73	2.2	.51	3.5
N	10	10	10	10	10	10	10	10
Group: 2	Dose Level: 3		Dosage Unit: ppm					
C91194	131	44	0	10.3	5.9	148	6.4	111
C91197	116	69	1	10.8	5.1	150	6.3	110
C91199	84	45	7	11.6	5.9	148	5.9	106
C91200	95	29	1	11.5	6.2	151	6.6	109
C91206	84	40	7	11.6	6.5	150	5.3	102
C91227	101	66	1	11.6	5.9	148	6.6	107
C91229	97	35	0	11.0	5.5	146	5.9	106
C91231	68	22	4	11.1	6.0	149	6.2	111
C91244	164	95	0	11.5	5.2	150	5.4	107
C91250	97	39	0	11.2	5.5	146	6.0	109
MEAN	104	48	2	11.2	5.8	149	6.1	108
S.D.	27.4	22.0	2.8	.43	.44	1.7	.45	2.8
N	10	10	10	10	10	10	10	10

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Individual Clinical Chemistry Data

Females Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
Group: 3	Dose Level: 30		Dosage Unit: ppm					
C91255	138	54	2	10.6	6.2	149	5.0	103
C91258	105	48	1	11.2	5.9	151	6.0	107
C91264	143	49	0	10.8	5.5	148	5.6	109
C91269	118	43	2	10.8	5.7	145	5.2	105
C91270	84	35	23	11.9	7.4	155	5.8	108
C91274 SH	275	270	0	10.6	5.0	145	6.3	107
C91289	119	37	3	11.4	7.7	157	6.5	110
C91294	100	46	7	11.5	6.4	150	6.8	111
C91297	77	30	7	11.2	5.5	148	5.6	107
C91305	92	52	5	11.2	6.2	150	5.8	106
MEAN	125	66	5	11.1	6.2	150	5.9	107
S.D.	56.9	72.0	6.8	.42	.85	3.9	.56	2.4
N	10	10	10	10	10	10	10	10
Group: 4	Dose Level: 100		Dosage Unit: ppm					
C91314	81	57	0	11.3	5.7	148	6.0	110
C91319	143	125	4	11.2	5.9	146	6.2	107
C91326	86	41	9	10.7	6.2	145	4.9	101
C91334	92	83	7	11.2	6.2	148	5.6	107
C91346	82	73	0	11.3	6.3	147	5.9	108
C91356	95	53	0	11.8	6.2	146	5.4	105
C91359	74	41	0	11.1	5.0	149	6.0	110
C91363	82	46	9	11.3	5.1	143	6.0	109
C91372	78	43	1	11.3	5.6	149	5.6	109
C91373	79	67	8	11.6	5.4	147	5.3	104
MEAN	89	63	4	11.3	5.8	147	5.7	107
S.D.	19.9	26.1	4.0	.29	.48	1.9	.40	2.9
N	10	10	10	10	10	10	10	10

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Individual Clinical Chemistry Data

Males Week 105

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	CHOL MG/DL	TRIG MG/DL
Group: 1	Dose Level: 0	Dosage Unit: ppm
C90712	293	115
C90716	212	270
C90722	87	156
C90724	121	268
C90726	102	70
C90728	108	97
C90735	132	141
C90742	114	98
C90743	260	508
C90747	114	171
C90750	84	130
C90758	187	97
C90765	182	325
C90778	138	194
MEAN	152	189
S.D.	65.0	119.3
N	14	14

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Individual Clinical Chemistry Data

Males Week 105

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	CHOL MG/DL	TRIG MG/DL
Group: 2	Dose Level: 3	Dosage Unit: ppm
C90781	212	616
C90782	177	188
C90783	113	153
C90785	100	151
C90787	59	47
C90788	68	128
C90791	110	231
C90794	82	64
C90799	161	177
C90804	170	148
C90809	75	129
C90810	215	249
C90811	108	167
C90812	136	171
C90815	120	85
C90823	126	201
C90829	89	130
C90830	96	36
C90832	138	157
C90835	418	356
C90838	297	686
C90840	94	117
MEAN	144	199
S.D.	83.4	162.2
N	22	22

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Individual Clinical Chemistry Data

Males Week 105

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	CHOL MG/DL	TRIG MG/DL
Group: 3	Dose Level: 30	Dosage Unit: ppm
C90842	107	270
C90844	85	41
C90850	78	85
C90851	86	147
C90854	47	83
C90855	97	109
C90856	186	343
C90858	135	113
C90860	73	68
C90864	114	157
C90865	84	163
C90867	97	146
C90869	143	85
C90871	119	160
C90881	143	129
C90882	99	54
C90883	96	160
C90884	105	109
C90885	75	38
C90889	160	187
C90893	156	56
C90900	108	91
MEAN	109	127
S.D.	33.4	73.2
N	22	22

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Individual Clinical Chemistry Data

Males Week 105

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	CHOL MG/DL	TRIG MG/DL
Group: 4	Dose Level: 100	Dosage Unit: ppm
C90904	56	59
C90908	60	86
C90910	206	389
C90911	16	20
C90916	67	48
C90926	53	200
C90927	164	276
C90928	65	27
C90933	58	59
C90944	88	39
C90947	61	62
C90948	82	64
C90953	145	303
C90955	71	75
C90956	105	94
C90965	34	26
C90968	50	44
MEAN	81	110
S.D.	48.7	111.2
N	17	17
Group: 6	Dose Level: 100	Dosage Unit: ppm
C91047	114	221
C91054	95	127
C91056	60	97
C91060	113	189
C91065	191	469
C91070	96	113
C91071	279	251
C91072	103	118
C91073	113	91
C91076	37	56
MEAN	120	173
S.D.	68.7	120.7
N	10	10

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Individual Clinical Chemistry Data

Females Week 105

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	CHOL MG/DL	TRIG MG/DL
Group: 1	Dose Level: 0	Dosage Unit: ppm
C91127	72	178
C91131	86	35
C91138	152	144
C91144	107	53
C91148	99	353
C91157	128	175
C91159	110	244
C91166	122	296
C91172	116	89
C91176	101	62
C91183	103	195
C91188	109	107
C91190	203	229
MEAN	116	166
S.D.	32.6	97.3
N	13	13
Group: 2	Dose Level: 3	Dosage Unit: ppm
C91197	108	438
C91201	121	68
C91207	128	42
C91211	126	61
C91216	75	141
C91220	131	120
C91221	117	217
C91227	124	184
C91232	137	428
C91235	70	188
C91236	109	208
C91242	60	66
C91243	113	117
MEAN	109	175
S.D.	24.9	128.4
N	13	13

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Individual Clinical Chemistry Data

Females Week 105

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	CHOL MG/DL	TRIG MG/DL
Group: 3	Dose Level: 30	Dosage Unit: ppm
C91252	99	88
C91253	89	315
C91254	105	47
C91256	101	97
C91264	86	53
C91278	95	86
C91279	86	114
C91286	74	45
C91292	129	367
C91294	85	49
C91295	166	136
C91301	110	66
C91303	79	138
C91307	104	32
C91310	93	106
MEAN	100	116
S.D.	22.8	97.6
N	15	15

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Individual Clinical Chemistry Data

Females Week 105

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	CHOL MG/DL	TRIG MG/DL
Group: 4	Dose Level: 100	Dosage Unit: ppm
C91315	126	91
C91324	90	61
C91327	153	289
C91332	90	18
C91335	86	54
C91336	93	30
C91338	63	41
C91340	69	27
C91341	104	56
C91342	88	62
C91356	254	213
C91357	77	53
C91360	70	43
C91361	128	68
C91362	150	332
C91372	88	66
C91376	103	66
C91378	74	41
C91380	140	97
MEAN	108	90
S.D.	44.8	88.3
N	19	19

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Individual Clinical Chemistry Data

Females Week 105

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	CHOL MG/DL	TRIG MG/DL
Group: 6	Dose Level: 100	Dosage Unit: ppm
C91451	118	160
C91453	111	1350
C91455	102	586
C91459	213	391
C91462	150	87
C91467	171	131
C91473	128	396
C91479	284	1525
C91480	150	386
C91485	96	154
C91487	179	314
C91488	142	305
MEAN	154	482
S.D.	53.4	469.7
N	12	12

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Individual Clinical Urinalysis Data

Males Week 8

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U VOL ML	SP GR	U PH
Group: 1	Dose Level: 0		Dosage Unit: ppm
C90717	7.5	1.029	7.0
C90718	8.6	1.027	6.5
C90737	14.3	1.020	7.5
C90756	31.8	1.010	7.0
C90769	25.2	1.012	7.0
MEAN	17.5	1.020	7.0
S.D.	10.64	.0086	.35
N	5	5	5
Group: 5	Dose Level: 300		Dosage Unit: ppm
C90971	22.1	1.007	7.0
C90972	27.0	1.009	7.0
C90988	46.5 a	1.005	7.0
C90996	28.6	1.012	7.0
C91017	18.2	1.017	6.5
MEAN	28.5	1.010	6.9
S.D.	10.88	.0047	.22
N	5	5	5

a Sample was overflowing at the time of collection.

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Individual Clinical Urinalysis Data

Males Week 8

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U PRO MG/DL	U GLU	U KET	U BILI	U BLOOD	UROBILI
Group: 1	Dose Level: 0		Dosage Unit: ppm			
C90717	30	-	++	-	-	-
C90718	30	-	-	-	+	-
C90737	30	-	+	-	-	-
C90756	10	-	-	-	-	-
C90769	30	-	-	-	-	-
Group: 5	Dose Level: 300		Dosage Unit: ppm			
C90971	30	-	++	-	-	-
C90972	30	-	-	-	-	-
C90988	10	-	-	-	-	-
C90996	30	-	+	-	-	-
C91017	30	-	+++	-	+	-

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Males Week 8

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	RBC PER HPF	WBC PER HPF	EPITH PER HPF	BACT PER HPF	CASTS PER LPF	CRYSTALS PER LPF1	URINE APP1	COMMENTS
Group: 1 Dose Level: 0 Dosage Unit: ppm								
C90717	0	1	1	2	0	4D	CJ	Q
C90718	1	1	1	1	0	4D	BJ	PQ
C90737	1	0	1	1	0	3D	BJ	PQ
C90756	0	1	1	0	0	2D	BJ	Q
C90769	0	0	1	1	0	4D	BJ	PQ
Group: 5 Dose Level: 300 Dosage Unit: ppm								
C90971	0	0	1	1	0	0	AJ	Q
C90972	0	0	1	1	0	3D	BJ	Q
C90988	0	1	1	1	0	1B1D	AJ	PQ
C90996	0	1	1	1	0	D	BJ	PQ
C91017	0	0	1	1	0	3D	BJ	PQ

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Individual Clinical Urinalysis Data

Females Week 8

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U VOL ML	SP GR	U PH
Group: 1	Dose Level: 0		Dosage Unit: ppm
C91126	26.0	1.006	7.0
C91140	46.2 a	1.003	6.5
C91145	20.0	1.006	7.0
C91162	5.0	1.018	7.0
C91163	2.3	1.027	6.5
MEAN	19.9	1.012	6.8
S.D.	17.75	.0102	.27
N	5	5	5
Group: 5	Dose Level: 300		Dosage Unit: ppm
C91393	21.3	1.008	7.5
C91394	19.0	1.011	6.5
C91404	14.1	1.015	6.5
C91415	10.8	1.013	6.5
C91438	43.0 a	1.002	6.5
MEAN	21.6	1.010	6.7
S.D.	12.63	.0051	.45
N	5	5	5

a Sample was overflowing at the time of collection.

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Females Week 8

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U PRO MG/DL	U GLU	U KET	U BILI	U BLOOD	UROBILI
Group: 1 Dose Level: 0 Dosage Unit: ppm						
C91126	0	-	-	-	-	-
C91140	0	-	-	-	-	-
C91145	10	-	-	-	-	-
C91162	10	-	-	-	-	-
C91163	10	-	-	-	-	-
Group: 5 Dose Level: 300 Dosage Unit: ppm						
C91393	0	-	-	-	-	-
C91394	0	-	++	-	-	-
C91404	0	-	-	-	-	-
C91415	0	-	-	-	-	-
C91438	0	-	-	-	-	-

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Females Week 8

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	RBC PER HPF	WBC PER HPF	EPITH PER HPF	BACT PER HPF	CASTS PER LPF	CRYSTALS PER LPF1	URINE APP1	COMMENTS
Group: 1 Dose Level: 0 Dosage Unit: ppm								
C91126	0	0	1	1	0	1D	AJ	-
C91140	0	0	1	1	0	0	AJ	-
C91145	0	1	1	1	0	0	AJ	-
C91162	0	0	1	1	0	1B1D	BJ	-
C91163	0	0	1	1	0	3D	CJ	-
Group: 5 Dose Level: 300 Dosage Unit: ppm								
C91393	0	0	1	1	0	0	BJ	-
C91394	0	0	0	1	0	0	BJ	-
C91404	0	0	0	1	0	1B	BJ	-
C91415	0	0	1	1	0	0	BJ	-
C91438	0	1	1	1	0	1B	AJ	-

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Males Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U VOL ML	SP GR	U PH
Group: 1	Dose Level: 0		Dosage Unit: ppm
C90716	15.6	1.018	7.0
C90731	19.8	1.020	7.0
C90738	16.0	1.020	7.0
C90745	2.8	1.057	6.0
C90746	12.6	1.023	7.5
C90748	46.0	1.006	7.0
C90760	4.3	1.040	6.5
C90766	9.2	1.027	7.0
C90768	17.4	1.021	7.0
C90780	43.5	1.007	7.0
MEAN	18.7	1.024	6.9
S.D.	14.79	.0151	.39
N	10	10	10
Group: 2	Dose Level: 3		Dosage Unit: ppm
C90791	47.3	1.004	7.0
C90797	42.5	1.006	6.5
C90802	9.7	1.018	7.0
C90807	13.0	1.023	7.0
C90816	31.7	1.012	7.0
C90818	10.5	1.026	6.5
C90820	14.0	1.018	7.0
C90831	21.5	1.016	7.0
C90836	46.5	1.007	7.0
C90840	14.0	1.024	7.0
MEAN	25.1	1.015	6.9
S.D.	15.47	.0079	.21
N	10	10	10

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U VOL ML	SP GR	U PH
Group: 3	Dose Level: 30		Dosage Unit: ppm
C90843	13.1	1.022	6.5
C90851	16.7	1.015	7.0
C90852	25.0	1.012	7.0
C90856	14.2	1.018	7.0
C90863	6.4	1.039	7.0
C90877	11.8	1.019	7.0
C90880	33.8	1.012	6.5
C90888	8.5	1.027	6.5
C90892	3.2	1.043	6.5
C90897	24.8	1.015	7.0
MEAN	15.8	1.022	6.8
S.D.	9.53	.0109	.26
N	10	10	10
Group: 4	Dose Level: 100		Dosage Unit: ppm
C90905	11.7	1.021	7.5
C90907	15.3	1.018	7.0
C90917	18.3	1.016	7.0
C90921	47.0	1.003	7.0
C90934	9.2	1.026	6.5
C90947	4.0	1.058	6.5
C90953	46.8	1.006	6.5
C90957	26.6	1.012	6.5
C90960	13.8	1.024	6.5
C90968	6.5	1.037	6.5
MEAN	19.9	1.022	6.8
S.D.	15.56	.0160	.35
N	10	10	10

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U PRO MG/DL	U GLU	U KET	U BILI	U BLOOD	UROBILI
Group: 1	Dose Level: 0		Dosage Unit: ppm			
C90716	10	-	+	-	-	-
C90731	10	-	+	-	-	-
C90738	30	-	-	-	-	-
C90745	30	-	++	-	-	-
C90746	30	-	+	-	-	-
C90748	10	-	-	-	-	-
C90760	100	-	+	-	+++	-
C90766	30	-	-	-	+	-
C90768	10	-	-	-	+	-
C90780	10	-	-	-	-	-
Group: 2	Dose Level: 3		Dosage Unit: ppm			
C90791	0	-	-	-	-	-
C90797	10	-	-	-	-	-
C90802	10	-	-	-	-	-
C90807	10	-	+	-	-	-
C90816	10	-	-	-	-	-
C90818	30	-	+	-	-	-
C90820	10	-	-	-	-	-
C90831	10	-	-	-	-	-
C90836	10	-	-	-	-	-
C90840	10	-	-	-	-	-

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U PRO MG/DL	U GLU	U KET	U BILI	U BLOOD	UROBILI
Group: 3	Dose Level: 30		Dosage Unit: ppm			
C90843	10	-	+	-	-	-
C90851	10	-	-	-	-	-
C90852	10	-	-	-	-	-
C90856	10	-	-	-	-	-
C90863	30	-	+	-	-	-
C90877	10	-	-	-	-	-
C90880	10	-	-	-	-	-
C90888	30	-	-	-	-	-
C90892	30	-	++	-	-	-
C90897	10	-	-	-	-	-
Group: 4	Dose Level: 100		Dosage Unit: ppm			
C90905	30	-	-	-	-	-
C90907	10	-	+	-	-	-
C90917	10	-	+	-	-	-
C90921	0	-	-	-	-	-
C90934	30	-	+	-	-	-
C90947	30	-	+	-	-	-
C90953	0	-	-	-	-	-
C90957	10	-	-	-	-	-
C90960	10	-	+	-	-	-
C90968	30	-	-	-	-	-

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	RBC PER HPF	WBC PER HPF	EPITH PER HPF	BACT PER HPF	CASTS PER LPF	CRYSTALS PER LPF1	URINE APP1	COMMENTS
Group: 1 Dose Level: 0			Dosage Unit: ppm					
C90716	0	0	1	1	0	4D	BJ	PQ
C90731	0	0	1	1	0	1D	BJ	PQ
C90738	0	0	0	1	0	4D	BJ	PQ
C90745	0	0	1	1	0	4D	CJ	PQ
C90746	0	0	1	1	0	4D	BJ	Q
C90748	0	0	1	1	0	0	AJ	Q
C90760	4	0	1	3	0	4D	DK	P
C90766	0	1	1	2	0	4D	BJ	PQ
C90768	2	0	0	3	0	4D	BJ	PQ
C90780	0	0	1	2	0	2D	AJ	Q
Group: 2 Dose Level: 3			Dosage Unit: ppm					
C90791	0	0	1	1	0	0	AJ	Q
C90797	0	0	1	1	0	3D	AJ	Q
C90802	0	0	1	1	0	4D	BJ	PQ
C90807	0	0	1	1	0	4D	BJ	PQ
C90816	0	0	1	2	0	4D	BJ	Q
C90818	0	0	1	1	0	0	BJ	Q
C90820	0	0	1	2	0	4D	BJ	PQ
C90831	0	0	1	1	0	4D	BJ	Q
C90836	0	0	1	3	0	3D	AJ	Q
C90840	0	0	1	2	0	4D	BJ	PQ

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	RBC PER HPF	WBC PER HPF	EPITH PER HPF	BACT PER HPF	CASTS PER LPF	CRYSTALS PER LPF1	URINE APP1	COMMENTS
Group: 3 Dose Level: 30 Dosage Unit: ppm								
C90843	0	1	1	2	0	2B2D	BJ	Q
C90851	0	0	1	1	0	2D	BJ	-
C90852	0	0	1	1	0	4D	BJ	Q
C90856	0	0	1	1	0	4D	BJ	Q
C90863	0	1	1	3	0	1B3D	BK	Q
C90877	0	0	0	1	0	2D	BJ	Q
C90880	0	0	1	2	0	2D	BJ	Q
C90888	0	1	1	1	0	1B3D	CJ	PQ
C90892	0	0	1	2	0	4D	CJ	PQ
C90897	0	0	1	2	0	0	BJ	PQ
Group: 4 Dose Level: 100 Dosage Unit: ppm								
C90905	0	0	1	2	0	2D	BJ	Q
C90907	0	0	1	1	0	2D	BJ	Q
C90917	1	0	0	1	0	1B	BJ	Q
C90921	0	0	1	1	0	0	AJ	Q
C90934	0	1	1	1	0	0	BJ	PQ
C90947	0	0	1	2	0	4D	CJ	PQ
C90953	0	0	0	1	0	0	AJ	Q
C90957	0	0	1	1	0	0	AJ	Q
C90960	1	0	1	1	0	3D	BJ	Q
C90968	0	0	1	1	0	4D	CJ	PQ

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Females Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U VOL ML	SP GR	U PH
Group: 1	Dose Level: 0		Dosage Unit: ppm
C91122	27.9	1.003	7.0
C91129	11.5	1.014	6.5
C91148	16.8	1.009	6.5
C91155	15.9	1.010	6.5
C91160	49.8	1.002	6.5
C91174	7.8	1.025	6.5
C91176	5.6	1.025	6.5
C91178	10.5	1.018	7.0
C91181	28.2	1.007	7.0
C91182	15.8	1.010	7.0
MEAN	19.0	1.012	6.7
S.D.	13.21	.0082	.26
N	10	10	10
Group: 2	Dose Level: 3		Dosage Unit: ppm
C91192	2.4	1.031	6.5
C91196	11.4	1.013	7.0
C91204	26.5	1.008	6.5
C91215	21.8	1.007	7.0
C91221	45.6	1.002	7.0
C91223	47.0	1.002	6.5
C91228	9.0	1.020	7.0
C91233	2.5	1.026	6.5
C91241	33.5	1.006	6.5
C91248	22.3	1.006	7.0
MEAN	22.2	1.012	6.8
S.D.	16.26	.0102	.26
N	10	10	10

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U VOL ML	SP GR	U PH
Group: 3	Dose Level: 30		Dosage Unit: ppm
C91262	23.0	1.004	7.0
C91274	7.3	1.020	6.5
C91281	49.0	1.002	6.0
C91284	15.7	1.010	7.0
C91286	7.2	1.016	7.0
C91288	1.3	1.038	6.0
C91293	7.0	1.020	6.5
C91299	47.0	1.002	7.0
C91304	17.3	1.011	6.5
C91305	17.1	1.015	6.5
MEAN	19.2	1.014	6.6
S.D.	16.50	.0109	.39
N	10	10	10
Group: 4	Dose Level: 100		Dosage Unit: ppm
C91326	5.6	1.027	6.5
C91327	46.0	1.002	6.5
C91329	18.6	1.013	6.5
C91332	20.7	1.007	6.5
C91337	11.8	1.018	6.5
C91348	47.8	1.002	7.0
C91355	40.0	1.006	6.5
C91370	8.2	1.022	6.5
C91374	25.5	1.009	6.5
C91379	7.8	1.018	6.5
MEAN	23.2	1.012	6.6
S.D.	16.13	.0086	.16
N	10	10	10

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U PRO MG/DL	U GLU	U KET	U BILI	U BLOOD	UROBILI
Group: 1 Dose Level: 0 Dosage Unit: ppm						
C91122	0	-	-	-	-	-
C91129	10	-	-	-	-	-
C91148	0	-	-	-	-	-
C91155	0	-	-	-	-	-
C91160	0	-	-	-	-	-
C91174	10	-	-	-	-	-
C91176	10	-	-	-	-	-
C91178	10	-	-	-	-	-
C91181	0	-	-	-	-	-
C91182	0	-	-	-	-	-
Group: 2 Dose Level: 3 Dosage Unit: ppm						
C91192	10	-	-	-	-	-
C91196	0	-	-	-	-	-
C91204	0	-	-	-	-	-
C91215	0	-	-	-	-	-
C91221	0	-	-	-	-	-
C91223	0	-	-	-	-	-
C91228	10	-	-	-	-	-
C91233	10	-	-	-	-	-
C91241	0	-	-	-	-	-
C91248	0	-	-	-	-	-

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U PRO MG/DL	U GLU	U KET	U BILI	U BLOOD	UROBILI
Group: 3	Dose Level: 30		Dosage Unit: ppm			
C91262	0	-	-	-	-	-
C91274	10	-	-	-	-	-
C91281	0	-	-	-	-	-
C91284	0	-	-	-	-	-
C91286	0	-	-	-	-	-
C91288	10	-	-	-	-	-
C91293	10	-	-	-	-	-
C91299	0	-	-	-	-	-
C91304	10	-	-	-	-	-
C91305	0	-	-	-	-	-
Group: 4	Dose Level: 100		Dosage Unit: ppm			
C91326	10	-	-	-	-	-
C91327	0	-	-	-	-	-
C91329	0	-	-	-	-	-
C91332	0	-	-	-	-	-
C91337	10	-	-	-	-	-
C91348	0	-	-	-	-	-
C91355	0	-	-	-	-	-
C91370	10	-	-	-	-	-
C91374	0	-	-	-	-	-
C91379	10	-	-	-	-	-

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	RBC PER HPF	WBC PER HPF	EPITH PER HPF	BACT PER HPF	CASTS PER LPF	CRYSTALS PER LPF1	URINE APP1	COMMENTS
Group: 1 Dose Level: 0			Dosage Unit: ppm					
C91122	0	0	0	1	0	1B1D	AJ	-
C91129	0	1	1	2	0	2B	BJ	-
C91148	0	0	1	1	0	0	BJ	-
C91155	0	0	1	1	0	0	AJ	-
C91160	0	0	1	2	0	0	AJ	-
C91174	0	1	1	1	0	4D	BJ	-
C91176	0	1	0	3	0	4D	BJ	P
C91178	0	0	0	1	0	4D	BJ	P
C91181	0	0	1	2	0	2D	AJ	-
C91182	0	0	1	1	0	4D	AJ	P
Group: 2 Dose Level: 3			Dosage Unit: ppm					
C91192	0	0	0	1	0	4D	BJ	P
C91196	0	0	1	2	0	2D	BJ	P
C91204	0	0	0	2	0	0	AJ	-
C91215	0	0	1	1	0	1B	BJ	-
C91221	0	0	0	1	0	1B	AJ	-
C91223	0	0	0	1	0	0	AJ	-
C91228	0	0	0	1	0	1D	BJ	P
C91233	0	0	1	1	0	0	BJ	P
C91241	0	0	1	1	0	1B	AJ	-
C91248	0	0	1	1	0	0	AJ	-

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	RBC PER HPF	WBC PER HPF	EPITH PER HPF	BACT PER HPF	CASTS PER LPF	CRYSTALS PER LPF1	URINE APP1	COMMENTS
Group: 3 Dose Level: 30 Dosage Unit: ppm								
C91262	0	0	1	1	0	0	AJ	-
C91274	0	0	1	2	0	4D	BJ	P
C91281	0	0	1	1	0	0	AJ	-
C91284	0	0	1	2	0	0	AJ	P
C91286	0	0	0	1	0	2D	BJ	-
C91288 QS	-	-	-	-	-	-	BJ	-
C91293	0	0	1	1	0	0	BJ	P
C91299	0	0	0	1	0	0	AJ	-
C91304	0	0	1	1	0	0	BJ	-
C91305	0	0	0	1	0	0	BJ	-
Group: 4 Dose Level: 100 Dosage Unit: ppm								
C91326	0	0	1	1	0	1B	BJ	-
C91327	0	0	0	2	0	0	AJ	-
C91329	0	0	0	1	0	0	BJ	-
C91332	0	0	1	1	0	1B1D	AJ	-
C91337	0	1	1	1	0	1B1D	BJ	P
C91348	0	0	0	2	0	0	AJ	-
C91355	0	1	0	1	0	1B	AJ	-
C91370	0	0	1	1	0	4D	BJ	P
C91374	0	0	0	1	0	2B	AJ	-
C91379	0	0	1	1	0	0	BJ	P

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U VOL ML	SP GR	U PH
Group: 1	Dose Level: 0		Dosage Unit: ppm
C90721	30.5	1.012	6.5
C90735	11.5	1.021	7.0
C90736	7.2	1.036	7.0
C90738	10.7	1.026	7.0
C90739	7.4	1.033	6.5
C90747	14.7	1.021	7.0
C90751	15.4	1.020	7.0
C90752	23.7	1.016	7.5
C90755	24.9	1.017	7.5
C90766	8.7	1.037	7.0
MEAN	15.5	1.024	7.0
S.D.	8.17	.0087	.33
N	10	10	10
Group: 2	Dose Level: 3		Dosage Unit: ppm
C90795	24.4	1.011	7.5
C90799	16.7	1.017	7.5
C90802	10.5	1.025	7.0
C90803	20.5	1.021	7.5
C90805	14.5	1.029	7.5
C90806	10.1	1.024	7.0
C90824	8.3	1.031	7.0
C90825	7.9	1.031	7.0
C90839	15.6	1.019	7.5
C90840	8.5	1.043	6.5
MEAN	13.7	1.025	7.2
S.D.	5.65	.0090	.35
N	10	10	10

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Males Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U VOL ML	SP GR	U PH
Group: 3	Dose Level: 30		Dosage Unit: ppm
C90847	38.5	1.011	7.5
C90855	12.0	1.031	6.5
C90858	4.0	1.052	7.0
C90859	6.7	1.032	7.0
C90864	10.0	1.022	7.0
C90865	38.5	1.009	7.0
C90871	5.0	1.042	6.5
C90872	6.0	1.043	7.5
C90882	5.8	1.034	7.0
C90886	10.1	1.028	7.0
MEAN	13.7	1.030	7.0
S.D.	13.33	.0137	.33
N	10	10	10
Group: 4	Dose Level: 100		Dosage Unit: ppm
C90916	47.5 a	1.009	7.0
C90931	5.0	1.037	7.5
C90937	27.5	1.011	7.0
C90940	6.8	1.037	7.0
C90944	21.7	1.016	7.0
C90945	10.5	1.027	6.5
C90954	8.2	1.029	6.5
C90956	6.3	1.028	7.0
C90957	9.8	1.031	7.5
C90963	11.2	1.028	7.0
MEAN	15.4	1.025	7.0
S.D.	13.36	.0100	.33
N	10	10	10

a Sample was overflowing at the time of collection.

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Males Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U PRO MG/DL	U GLU	U KET	U BILI	U BLOOD	UROBILI
Group: 1	Dose Level: 0		Dosage Unit: ppm			
C90721	100	-	-	-	++	-
C90735	30	-	+	-	-	-
C90736	300	-	+	-	-	-
C90738	300	-	+	-	-	-
C90739	30	-	-	-	-	-
C90747	30	-	-	-	-	-
C90751	30	-	-	-	-	-
C90752	30	-	-	-	+	-
C90755	30	-	+	-	-	-
C90766	300	-	-	-	-	-
Group: 2	Dose Level: 3		Dosage Unit: ppm			
C90795	10	-	-	-	-	-
C90799	30	-	-	-	+++	-
C90802	30	-	-	-	++	-
C90803	100	-	-	-	+++	-
C90805	100	-	+	-	+	-
C90806	30	-	+	-	-	-
C90824	30	-	+	-	-	-
C90825	100	-	-	-	-	-
C90839	30	-	+	-	-	-
C90840	>2000	-	-	-	+++	-

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U PRO MG/DL	U GLU	U KET	U BILI	U BLOOD	UROBILI
Group: 3	Dose Level: 30		Dosage Unit: ppm			
C90847	10	-	-	-	-	-
C90855	30	-	+	-	-	-
C90858	100	-	+	-	-	-
C90859	30	-	+	-	-	-
C90864	30	-	+	-	-	-
C90865	10	-	-	-	-	-
C90871	100	-	+	-	-	-
C90872	30	-	-	-	-	-
C90882	30	-	+	-	-	-
C90886	30	-	+	-	-	-
Group: 4	Dose Level: 100		Dosage Unit: ppm			
C90916	10	-	-	-	-	-
C90931	30	-	+++	-	-	-
C90937	30	-	-	-	-	-
C90940	100	-	++	-	-	-
C90944	30	-	-	-	-	-
C90945	30	-	+	-	-	-
C90954	30	-	+	-	-	-
C90956	30	-	+	-	-	-
C90957	30	-	+	-	-	-
C90963	30	-	+	-	-	-

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	RBC PER HPF	WBC PER HPF	EPITH PER HPF	BACT PER HPF	CASTS PER LPF	CRYSTALS PER LPF1	URINE APP1	COMMENTS
Group: 1 Dose Level: 0			Dosage Unit: ppm					
C90721	0	1	0	1	1G	1B	BJ	PQ
C90735	0	0	1	2	0	4D	BK	-
C90736	0	1	1	1	0	4D	CK	PQ
C90738	0	0	1	2	0	4D	BK	PQ
C90739	0	0	1	1	0	0	CK	PQ
C90747	0	0	1	2	0	4D	BK	PQ
C90751	0	0	1	1	0	4D	BK	P
C90752	0	0	1	1	0	3D	BJ	P
C90755	0	0	1	1	0	3D	BJ	Q
C90766	0	0	0	2	0	2B4D	CK	PQ
Group: 2 Dose Level: 3			Dosage Unit: ppm					
C90795	0	0	1	1	0	3D	BJ	-
C90799	1	0	0	1	0	3D	BK	Q
C90802	0	0	1	2	0	4D	BK	PQ
C90803	1	0	1	1	0	3D	BK	P
C90805	0	0	0	2	0	2B4D	BK	PQ
C90806	0	0	1	1	0	4D	BK	PQ
C90824	0	1	1	2	0	4D	BK	Q
C90825	0	0	1	2	0	4D	BK	PQ
C90839	0	1	1	1	0	4D	BK	PQ
C90840	4	0	1	2	0	4D	DK	P

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	RBC PER HPF	WBC PER HPF	EPITH PER HPF	BACT PER HPF	CASTS PER LPF	CRYSTALS PER LPF1	URINE APP1	COMMENTS
Group: 3 Dose Level: 30 Dosage Unit: ppm								
C90847	0	0	1	1	0	0	BJ	Q
C90855	0	0	1	1	0	1D	BK	Q
C90858	0	0	1	3	0	2B4D	DKO	PQT
C90859	0	0	1	2	0	4D	BK	Q
C90864	0	0	0	1	0	2D	BK	PQ
C90865	0	0	1	1	0	0	BJ	P
C90871	4	1	1	2	0	1B1D	DL	-
C90872	0	0	0	1	0	4D	CK	Q
C90882	0	1	1	1	0	3D	CK	PQ
C90886	0	1	1	1	0	3D	BK	Q
Group: 4 Dose Level: 100 Dosage Unit: ppm								
C90916	0	0	0	1	0	0	BJ	Q
C90931	0	0	1	1	0	4D	CK	Q
C90937	0	1	1	1	0	0	BJ	P
C90940	0	0	1	1	0	4D	CK	PQ
C90944	0	0	1	2	0	4D	BK	PQ
C90945	0	0	1	1	0	4D	BK	PQ
C90954	0	0	1	2	0	4D	BK	PQ
C90956	0	0	0	1	0	2D	BK	Q
C90957	0	0	1	2	0	4D	BK	PQ
C90963	1	4	0	2	0	0	BK	PQ

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U VOL ML	SP GR	U PH
Group: 1	Dose Level: 0		Dosage Unit: ppm
C91127	2.2	1.044	6.5
C91128	11.2	1.018	6.5
C91133	8.8	1.018	7.0
C91137	47.1 a	1.003	6.5
C91144	2.0	1.042	7.0
C91153	11.0	1.017	7.0
C91154	16.0	1.016	7.0
C91158	11.0	1.023	7.0
C91161	49.4 a	1.005	7.5
C91183	22.1	1.008	7.0
MEAN	18.1	1.019	6.9
S.D.	16.96	.0140	.32
N	10	10	10
Group: 2	Dose Level: 3		Dosage Unit: ppm
C91196	12.6	1.010	6.5
C91207	3.3	1.027	6.5
C91210	4.0	1.032	6.5
C91211	6.2	1.021	7.0
C91214	6.4	1.024	7.5
C91221	10.6	1.018	7.5
C91224	11.1	1.012	6.5
C91235	50.6 a	1.001	6.5
C91243	35.0	1.006	7.0
C91244	19.6	1.009	7.0
MEAN	15.9	1.016	6.8
S.D.	15.38	.0100	.41
N	10	10	10

a Sample was overflowing at the time of collection.

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U VOL ML	SP GR	U PH
Group: 3	Dose Level: 30		Dosage Unit: ppm
C91252	49.4 a	1.003	6.5
C91254	.8	1.072	6.0
C91264	8.7	1.016	7.0
C91267	8.5	1.009	7.0
C91283	11.4	1.016	6.5
C91286	14.0	1.011	7.0
C91292	8.0	1.018	6.5
C91295	5.5	1.017	6.5
C91301	10.5	1.017	7.0
C91303	13.1	1.019	7.0
MEAN	13.0	1.020	6.7
S.D.	13.35	.0190	.35
N	10	10	10
Group: 4	Dose Level: 100		Dosage Unit: ppm
C91312	8.5	1.018	6.5
C91323	12.1	1.018	6.0
C91328	6.5	1.026	6.5
C91339	7.8	1.023	7.0
C91340	5.7	1.033	7.5
C91351	27.8	1.008	6.5
C91354	5.8	1.026	6.5
C91357	23.3	1.008	7.0
C91369	14.1	1.017	6.5
C91371	20.5	1.013	7.5
MEAN	13.2	1.019	6.8
S.D.	8.01	.0081	.49
N	10	10	10

a Sample was overflowing at the time of collection.

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U PRO MG/DL	U GLU	U KET	U BILI	U BLOOD	UROBILI
Group: 1	Dose Level: 0		Dosage Unit: ppm			
C91127	30	-	-	-	-	-
C91128	10	-	-	-	-	-
C91133	10	-	-	-	-	-
C91137	10	-	-	-	-	-
C91144	30	-	-	-	-	-
C91153	10	-	-	-	-	-
C91154	10	-	-	-	-	-
C91158	10	-	-	-	+++	-
C91161	0	-	-	-	+	-
C91183	0	-	-	-	-	-
Group: 2	Dose Level: 3		Dosage Unit: ppm			
C91196	10	-	-	-	-	-
C91207	30	-	-	-	-	-
C91210	10	-	-	-	-	-
C91211	10	-	-	-	-	-
C91214	10	-	-	-	+	-
C91221	10	-	-	-	-	-
C91224	10	-	-	-	-	-
C91235	0	-	-	-	-	-
C91243	10	-	-	-	-	-
C91244	10	-	-	-	-	-

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U PRO MG/DL	U GLU	U KET	U BILI	U BLOOD	UROBILI
Group: 3	Dose Level: 30		Dosage Unit: ppm			
C91252	10	-	-	-	-	-
C91254	30	-	-	-	-	-
C91264	10	-	-	-	-	-
C91267	0	-	-	-	-	-
C91283	10	-	-	-	-	-
C91286	0	-	-	-	-	-
C91292	10	-	-	-	-	-
C91295	10	-	-	-	-	-
C91301	10	-	-	-	-	-
C91303	10	-	-	-	-	-
Group: 4	Dose Level: 100		Dosage Unit: ppm			
C91312	10	-	-	-	-	-
C91323	10	-	-	-	-	-
C91328	30	-	-	-	-	-
C91339	10	-	-	-	-	-
C91340	10	-	-	-	-	-
C91351	0	-	-	-	-	-
C91354	10	-	-	-	-	-
C91357	0	-	-	-	-	-
C91369	10	-	-	-	-	-
C91371	10	-	-	-	-	-

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	RBC PER HPF	WBC PER HPF	EPITH PER HPF	BACT PER HPF	CASTS PER LPF	CRYSTALS PER LPF1	URINE APP1	COMMENTS
Group: 1 Dose Level: 0			Dosage Unit: ppm					
C91127	0	0	0	3	0	1D	CJ	P
C91128	0	0	1	3	0	0	BJ	P
C91133	0	1	1	1	0	2D	BJ	P
C91137	0	0	1	2	0	0	AJ	-
C91144	0	0	1	1	0	2B4D	CK	P
C91153	0	0	1	2	0	4D	BJ	P
C91154	0	0	1	1	0	2D	BJ	P
C91158	4	1	1	2	0	4D	BK	-
C91161	0	0	0	3	0	3B	BK	-
C91183	0	0	1	1	0	1D	BJ	-
Group: 2 Dose Level: 3			Dosage Unit: ppm					
C91196	0	0	1	1	0	0	BJ	P
C91207	0	1	1	2	0	0	CJ	P
C91210	0	0	1	2	0	4D	BK	P
C91211	0	0	1	2	0	4D	BK	-
C91214	1	0	0	1	0	4D	BK	-
C91221	0	0	1	1	0	4D	BJ	P
C91224	0	0	1	1	0	0	BJ	P
C91235	0	0	0	1	0	0	AJ	-
C91243	0	0	1	2	0	0	BJ	P
C91244	0	0	1	1	0	0	BJ	-

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	RBC PER HPF	WBC PER HPF	EPITH PER HPF	BACT PER HPF	CASTS PER LPF	CRYSTALS PER LPF1	URINE APP1	COMMENTS
Group: 3 Dose Level: 30 Dosage Unit: ppm								
C91252	0	0	0	1	0	0	AJ	-
C91254	0	0	1	1	0	3D	DK	P
C91264	0	0	1	1	0	4D	BJ	P
C91267	0	0	0	1	0	1B1D	BJ	-
C91283	0	1	1	1	0	1D	BJ	-
C91286	0	0	0	1	0	1D	BJ	-
C91292	0	0	0	2	0	2B2D	BK	-
C91295	0	1	1	1	0	0	BJ	-
C91301	0	0	1	1	0	0	BJ	-
C91303	0	1	1	1	0	2D	BK	P
Group: 4 Dose Level: 100 Dosage Unit: ppm								
C91312	0	1	1	1	0	0	BJ	P
C91323	0	0	1	2	0	0	BJ	-
C91328	0	1	1	3	0	0	CK	P
C91339	0	0	1	1	0	4D	BJ	P
C91340	0	1	1	1	0	4D	BK	P
C91351	0	0	1	1	0	0	BJ	-
C91354	0	0	1	2	0	0	BJ	-
C91357	0	0	0	1	0	1D	BJ	-
C91369	0	0	1	1	0	0	BJ	-
C91371	0	0	1	3	0	2B3D	BJ	P

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Males Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U VOL ML	SP GR	U PH
Group: 1	Dose Level: 0		Dosage Unit: ppm
C90712	7.5	1.027	7.0
C90723	48.5 a	1.010	6.5
C90727	11.2	1.030	7.0
C90730	17.7	1.020	6.5
C90755	49.0 a	1.011	7.0
C90758	16.3	1.020	6.5
C90759	11.0	1.026	7.0
C90764	7.6	1.035	6.5
C90766	15.0	1.026	7.0
C90774	9.3	1.038	7.0
MEAN	19.3	1.024	6.8
S.D.	15.90	.0092	.26
N	10	10	10
Group: 2	Dose Level: 3		Dosage Unit: ppm
C90781	11.5	1.027	6.5
C90792	13.0	1.026	7.0
C90793	7.8	1.037	7.0
C90798	15.5	1.024	7.0
C90799	11.1	1.027	7.0
C90800	16.2	1.020	7.5
C90812	4.5	1.050	7.0
C90822	8.2	1.040	6.5
C90829	25.3	1.018	7.0
C90832	23.7	1.017	7.5
MEAN	13.7	1.029	7.0
S.D.	6.72	.0106	.33
N	10	10	10

a Sample was overflowing at the time of collection.

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Males Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U VOL ML	SP GR	U PH
Group: 3	Dose Level: 30		Dosage Unit: ppm
C90841	19.3	1.020	7.0
C90850	4.3	1.038	6.5
C90854	17.0	1.026	6.5
C90855	13.3	1.030	6.5
C90856	5.6	1.037	6.5
C90859	21.7	1.020	7.0
C90873	25.0	1.018	7.5
C90879	6.8	1.032	7.0
C90881	12.0	1.028	6.5
C90896	22.2	1.016	6.5
MEAN	14.7	1.026	6.8
S.D.	7.46	.0078	.35
N	10	10	10
Group: 4	Dose Level: 100		Dosage Unit: ppm
C90908	9.0	1.034	7.0
C90914	14.5	1.025	7.0
C90923	9.5	1.026	6.5
C90926	9.0	1.033	7.0
C90927	15.7	1.022	7.5
C90934	7.0	1.032	6.5
C90936	9.2	1.030	7.0
C90944	48.0 a	1.006	6.5
C90946	24.5	1.014	6.5
C90956	27.0	1.004	7.0
MEAN	17.3	1.023	6.8
S.D.	12.78	.0110	.34
N	10	10	10

a Sample was overflowing at the time of collection.

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Individual Clinical Urinalysis Data

Males Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U PRO MG/DL	U GLU	U KET	U BILI	U BLOOD	UROBILI
Group: 1	Dose Level: 0		Dosage Unit: ppm			
C90712	>2000	-	-	-	++	-
C90723	100	-	-	-	-	-
C90727	>2000	-	-	-	-	-
C90730	300	-	-	-	-	-
C90755	100	-	-	-	-	-
C90758	100	-	-	-	-	-
C90759	30	-	-	-	-	-
C90764	300	-	-	-	-	-
C90766	300	-	-	-	-	-
C90774	CO	-	-	-	+++	-
Group: 2	Dose Level: 3		Dosage Unit: ppm			
C90781	100	-	-	-	-	-
C90792	10	-	-	-	-	-
C90793	>2000	-	-	-	-	-
C90798	100	-	-	-	-	-
C90799	30	-	-	-	++	-
C90800	100	-	-	-	+++	-
C90812	300	-	-	-	-	-
C90822	100	-	-	-	-	-
C90829	30	-	-	-	+++	-
C90832	30	-	-	-	-	-

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Individual Clinical Urinalysis Data

Males Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U PRO MG/DL	U GLU	U KET	U BILI	U BLOOD	UROBILI
Group: 3	Dose Level: 30		Dosage Unit: ppm			
C90841	10	-	-	-	+	-
C90850	30	-	-	-	-	-
C90854	CO	-	-	-	+++	-
C90855	100	-	-	-	+++	-
C90856	30	-	-	-	-	-
C90859	30	-	-	-	-	-
C90873	10	-	-	-	-	-
C90879	300	-	-	-	-	-
C90881	30	-	-	-	+	-
C90896	100	-	-	-	-	-
Group: 4	Dose Level: 100		Dosage Unit: ppm			
C90908	30	-	-	-	-	-
C90914	30	-	-	-	-	-
C90923	30	-	-	-	-	-
C90926	30	-	-	-	-	-
C90927	100	-	-	-	-	-
C90934	30	-	-	-	-	-
C90936	30	-	-	-	-	-
C90944	0	-	-	-	-	-
C90946	30	-	-	-	-	-
C90956	10	-	-	-	-	-

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Individual Clinical Urinalysis Data

Males Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	RBC PER HPF	WBC PER HPF	EPITH PER HPF	BACT PER HPF	CASTS PER LPF	CRYSTALS PER LPF1	URINE APP1	COMMENTS
Group: 1 Dose Level: 0			Dosage Unit: ppm					
C90712	1	1	1	2	0	2D	CJ	Q
C90723	0	0	1	1	0	1B	BJ	PQ
C90727	0	0	1	1	0	1B1D	CJ	P
C90730	0	1	1	1	1G	0	BJ	PQ
C90755	0	0	1	3	0	0	BJ	PQ
C90758	0	1	1	1	1H	1B	BK	PQ
C90759	0	0	1	1	0	1D	CK	-
C90764	0	0	1	2	0	1B	CK	-
C90766	0	1	0	2	1H	2B	CK	PQ
C90774	4	0	0	0	0	1D	GL	-
Group: 2 Dose Level: 3			Dosage Unit: ppm					
C90781	0	0	0	3	1G	4D	CJ	PQ
C90792	0	0	1	1	0	2D	CJ	PQ
C90793	0	0	1	1	0	4D	CJ	PQ
C90798	1	1	1	1	0	3D	CK	P
C90799	3	1	1	1	0	2D	CJ	PQ
C90800	4	0	1	1	0	4D	CK	P
C90812	0	0	1	2	0	4D	DK	Q
C90822	0	1	1	1	0	0	CK	PQ
C90829	1	1	1	1	0	1B3D	CK	PQ
C90832	0	0	1	1	0	4D	BJ	Q

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Individual Clinical Urinalysis Data

Males Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	RBC PER HPF	WBC PER HPF	EPITH PER HPF	BACT PER HPF	CASTS PER LPF	CRYSTALS PER LPF1	URINE APP1	COMMENTS
Group: 3 Dose Level: 30 Dosage Unit: ppm								
C90841	1	0	1	2	0	3D	BJ	PQ
C90850	2	0	1	1	0	0	CK	PQ
C90854	4	0	0	1	0	0	GL	-
C90855	4	0	1	0	0	0	CK	Q
C90856	0	1	1	2	0	2B2D	CJ	P
C90859	1	1	1	1	0	1B1D	CK	PQ
C90873	0	0	0	1	0	1B1D	CJ	-
C90879	0	0	1	2	0	4D	BJ	PQ
C90881	0	2	1	3	0	0	CJ	PQ
C90896	0	1	0	1	0	1B	CK	Q
Group: 4 Dose Level: 100 Dosage Unit: ppm								
C90908	0	0	1	1	0	4D	CJ	PQ
C90914	0	0	1	1	0	4D	CJ	P
C90923	0	0	0	1	0	1D	CJ	Q
C90926	0	0	0	2	0	3D	CK	PQ
C90927	0	0	1	3	0	2B4D	DK	P
C90934	0	0	0	1	0	0	CJ	Q
C90936	0	0	0	2	0	4D	CK	P
C90944	1	1	1	1	0	2B	AJ	Q
C90946	0	0	1	1	0	0	BK	Q
C90956	0	0	1	1	0	3D	BJ	Q

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Individual Clinical Urinalysis Data

Females Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U VOL ML	SP GR	U PH
Group: 1	Dose Level: 0		Dosage Unit: ppm
C91123	22.5	1.006	6.0
C91125	12.0	1.013	6.5
C91131	7.4	1.018	6.0
C91132	30.0	1.008	6.5
C91153	16.0	1.020	6.5
C91156	6.5	1.028	6.5
C91158	8.0	1.022	7.0
C91178	5.4	1.028	6.5
C91180	11.8	1.017	6.5
C91189	11.4	1.015	6.5
MEAN	13.1	1.018	6.4
S.D.	7.81	.0074	.28
N	10	10	10
Group: 2	Dose Level: 3		Dosage Unit: ppm
C91194	49.0 a	1.003	6.5
C91197	2.5	1.035	6.5
C91199	10.5	1.020	6.5
C91200	22.2	1.007	6.5
C91206	30.6	1.011	6.0
C91227	49.0 a	1.005	6.5
C91229	11.0	1.013	6.5
C91231	5.5	1.032	6.5
C91244	8.8	1.019	6.5
C91250	4.2	1.034	6.5
MEAN	19.3	1.018	6.4
S.D.	17.82	.0122	.16
N	10	10	10

a Sample was overflowing at the time of collection.

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Females Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U VOL ML	SP GR	U PH
Group: 3	Dose Level: 30		Dosage Unit: ppm
C91255	16.2	1.016	6.0
C91258	9.5	1.017	6.5
C91264	49.0 a	1.004	6.0
C91269	13.0	1.021	6.5
C91270	7.5	1.033	6.0
C91274	12.5	1.011	6.5
C91289	5.0	1.030	6.5
C91294	9.0	1.018	6.5
C91297	7.5	1.021	6.5
C91305	7.6	1.037	6.5
MEAN	13.7	1.021	6.4
S.D.	12.84	.0101	.24
N	10	10	10
Group: 4	Dose Level: 100		Dosage Unit: ppm
C91314	18.7	1.011	6.5
C91319	34.6	1.008	6.5
C91326	6.7	1.029	6.5
C91334	36.5	1.009	6.5
C91346	7.2	1.026	6.0
C91356	3.6	1.037	6.5
C91359	7.5	1.024	6.5
C91363	3.1	1.043	6.5
C91372	39.0	1.004	6.5
C91373	12.7	1.022	6.5
MEAN	17.0	1.021	6.4
S.D.	14.38	.0131	.16
N	10	10	10

a Sample was overflowing at the time of collection.

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Females Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U PRO MG/DL	U GLU	U KET	U BILI	U BLOOD	UROBILI
Group: 1	Dose Level: 0		Dosage Unit: ppm			
C91123	0	-	-	-	-	-
C91125	0	-	-	-	-	-
C91131	10	-	-	-	-	-
C91132	10	-	-	-	-	-
C91153	30	-	-	-	+	-
C91156	100	-	-	-	+++	-
C91158	0	-	-	-	-	-
C91178	10	-	-	-	-	-
C91180	30	-	-	-	-	-
C91189	0	-	-	-	-	-
Group: 2	Dose Level: 3		Dosage Unit: ppm			
C91194	10	-	-	-	+	-
C91197	30	-	-	-	-	-
C91199	0	-	-	-	-	-
C91200	0	-	-	-	-	-
C91206	100	-	-	-	-	-
C91227	0	-	-	-	-	-
C91229	10	-	-	-	-	-
C91231	30	-	-	-	-	-
C91244	10	-	-	-	-	-
C91250	10	-	-	-	+	-

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Individual Clinical Urinalysis Data

Females Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U PRO MG/DL	U GLU	U KET	U BILI	U BLOOD	UROBILI
Group: 3 Dose Level: 30 Dosage Unit: ppm						
C91255	0	-	-	-	-	-
C91258	10	-	-	-	-	-
C91264	0	-	-	-	-	-
C91269	10	-	-	-	-	-
C91270	0	-	-	-	+++	-
C91274	0	-	-	-	-	-
C91289	0	-	-	-	-	-
C91294	10	-	-	-	-	-
C91297	10	-	-	-	-	-
C91305	0	-	-	-	-	-
Group: 4 Dose Level: 100 Dosage Unit: ppm						
C91314	0	-	-	-	-	-
C91319	0	-	-	-	-	-
C91326	30	-	+++	-	-	-
C91334	0	-	-	-	-	-
C91346	10	-	-	-	-	-
C91356	100	-	-	-	-	-
C91359	10	-	-	-	-	-
C91363	10	-	-	-	-	-
C91372	10	-	-	-	-	-
C91373	0	-	-	-	-	-

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Females Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	RBC PER HPF	WBC PER HPF	EPITH PER HPF	BACT PER HPF	CASTS PER LPF	CRYSTALS PER LPF1	URINE APP1	COMMENTS
Group: 1 Dose Level: 0			Dosage Unit: ppm					
C91123	0	0	1	1	0	1B1D	AJ	P
C91125	0	0	1	3	0	0	BJ	P
C91131	0	0	1	3	0	0	BJ	P
C91132	0	1	1	1	0	0	BJ	-
C91153	0	1	1	1	0	1B	CK	-
C91156	4	2	1	0	0	0	DL	-
C91158	0	0	1	1	0	1D	CK	P
C91178	1	0	1	1	0	0	CJ	P
C91180	0	1	1	1	0	0	BJ	-
C91189	0	1	1	1	0	1B	BJ	P
Group: 2 Dose Level: 3			Dosage Unit: ppm					
C91194	0	0	1	3	0	0	AJ	-
C91197	0	0	0	1	0	1D	CJ	P
C91199	0	0	0	2	0	1D	CJ	-
C91200	0	0	1	1	0	1B	AJ	P
C91206	0	0	1	1	1G	0	BK	P
C91227	0	0	1	1	0	0	AJ	T
C91229	0	0	1	1	0	0	BJ	-
C91231	0	0	1	1	0	1B	CJ	P
C91244	0	0	1	1	0	0	BJ	-
C91250	2	0	1	1	0	0	CJ	-

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Females Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	RBC PER HPF	WBC PER HPF	EPITH PER HPF	BACT PER HPF	CASTS PER LPF	CRYSTALS PER LPF1	URINE APP1	COMMENTS
Group: 3 Dose Level: 30 Dosage Unit: ppm								
C91255	0	0	1	1	0	0	BJ	P
C91258	0	0	1	1	0	0	BJ	-
C91264	0	0	1	2	0	1B1D	AJ	-
C91269	0	0	1	1	0	0	BJ	-
C91270	4	0	0	1	0	0	GL	-
C91274	0	0	1	1	0	0	BJ	-
C91289	0	1	1	1	0	3B	CK	P
C91294	0	0	1	1	0	2D	BJ	P
C91297	0	0	1	1	0	1B1D	CK	P
C91305	0	1	1	1	0	0	CK	P
Group: 4 Dose Level: 100 Dosage Unit: ppm								
C91314	0	0	1	3	0	0	BJ	P
C91319	0	0	1	1	0	0	BJ	
C91326	0	0	1	2	0	2B	CK	P
C91334	0	0	1	1	0	0	AJ	P
C91346	0	0	1	1	1G	0	CJ	P
C91356	0	0	0	1	0	0	CJ	-
C91359	0	0	0	1	0	0	CJ	-
C91363	0	0	1	1	0	3D	CJ	P
C91372	0	0	1	0	1G	0	AJ	-
C91373	0	0	0	2	0	2B	CJ	-

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Individual Urine Chemistry Data

Males Week 8

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
Group: 1	Dose Level: 0		Dosage Unit: ppm	
C90717	44	160	.33	1.20
C90718	36	131	.31	1.13
C90737	24	104	.34	1.49
C90756	19	140	.60	4.45
C90769	10	66	.25	1.66
MEAN	27	120	.37	1.99
S.D.	13.5	36.4	.135	1.394
N	5	5	5	5
Group: 5	Dose Level: 300		Dosage Unit: ppm	
C90971	14	28	.31	.62
C90972	23	38	.62	1.03
C90988 a	6	18	-	-
C90996	14	56	.40	1.60
C91017	43	63	.78	1.15
MEAN	20	41	.53	1.10
S.D.	14.2	18.8	.213	.403
N	5	5	4	4

a Unable to calculate excretion due to an inaccurate urine volume.

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Individual Urine Chemistry Data

Females Week 8

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
Group: 1	Dose Level: 0		Dosage Unit: ppm	
C91126	9	23	.23	.60
C91140 a	5	13	-	-
C91145	10	30	.20	.60
C91162	21	70	.10	.35
C91163	33	128	.08	.29
MEAN	16	53	.15	.46
S.D.	11.4	47.3	.074	.164
N	5	5	4	4
Group: 5	Dose Level: 300		Dosage Unit: ppm	
C91393	23	37	.49	.79
C91394	26	40	.49	.76
C91404	31	62	.44	.87
C91415	11	56	.12	.60
C91438 a	8	16	-	-
MEAN	20	42	.38	.76
S.D.	9.9	18.0	.178	.113
N	5	5	4	4

a Unable to calculate excretion due to an inaccurate urine volume.

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Individual Urine Chemistry Data

Males Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
Group: 1	Dose Level: 0		Dosage Unit: ppm	
C90716	26	97	.41	1.51
C90731	23	132	.46	2.61
C90738	27	100	.43	1.60
C90745	55	358	.15	1.00
C90746	47	153	.59	1.93
C90748	4	26	.18	1.20
C90760	25	333	.11	1.43
C90766	39	189	.36	1.74
C90768	28	125	.49	2.18
C90780	7	41	.30	1.78
MEAN	28	155	.35	1.70
S.D.	15.9	111.3	.159	.469
N	10	10	10	10
Group: 2	Dose Level: 3		Dosage Unit: ppm	
C90791	8	20	.38	.95
C90797	3	10	.13	.42
C90802	28	91	.27	.88
C90807	53	142	.69	1.85
C90816	24	50	.76	1.58
C90818	22	145	.23	1.52
C90820	22	100	.31	1.40
C90831	19	99	.41	2.13
C90836	7	30	.33	1.40
C90840	32	134	.45	1.88
MEAN	22	82	.40	1.40
S.D.	14.5	51.3	.197	.521
N	10	10	10	10

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Individual Urine Chemistry Data

Males Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
Group: 3	Dose Level: 30		Dosage Unit: ppm	
C90843	11	107	.14	1.40
C90851	21	65	.35	1.09
C90852	11	68	.28	1.70
C90856	29	89	.41	1.26
C90863	64	324	.41	2.07
C90877	16	98	.19	1.16
C90880	10	50	.34	1.69
C90888	33	156	.28	1.33
C90892	82	238	.26	.76
C90897	20	78	.50	1.93
MEAN	30	127	.32	1.44
S.D.	24.4	88.4	.108	.405
N	10	10	10	10
Group: 4	Dose Level: 100		Dosage Unit: ppm	
C90905	22	97	.26	1.13
C90907	22	100	.34	1.53
C90917	17	86	.31	1.57
C90921	4	16	.19	.75
C90934	26	137	.24	1.26
C90947	100	401	.40	1.60
C90953	9	20	.42	.94
C90957	13	50	.35	1.33
C90960	21	134	.29	1.85
C90968	52	236	.34	1.53
MEAN	29	128	.31	1.35
S.D.	28.2	115.5	.071	.335
N	10	10	10	10

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Females Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
Group: 1	Dose Level: 0		Dosage Unit: ppm	
C91122	10	15	.28	.42
C91129	15	60	.17	.69
C91148	13	32	.22	.54
C91155	13	47	.21	.75
C91160	3	10	.15	.50
C91174	33	163	.26	1.27
C91176	41	106	.23	.59
C91178	31	95	.33	1.00
C91181	12	28	.34	.79
C91182	17	54	.27	.85
MEAN	19	61	.25	.74
S.D.	12.0	47.7	.062	.256
N	10	10	10	10
Group: 2	Dose Level: 3		Dosage Unit: ppm	
C91192	56	210	.13	.50
C91196	23	59	.26	.67
C91204	16	35	.42	.93
C91215	12	31	.26	.68
C91221	12	9	.55	.41
C91223	3	9	.14	.42
C91228	30	101	.27	.91
C91233	38	187	.10	.47
C91241	5	29	.17	.97
C91248	11	29	.25	.65
MEAN	21	70	.26	.66
S.D.	16.5	73.0	.139	.214
N	10	10	10	10

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Individual Urine Chemistry Data

Females Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
Group: 3	Dose Level: 30		Dosage Unit: ppm	
C91262	11	21	.25	.48
C91274	21	74	.15	.54
C91281	3	10	.15	.49
C91284	17	51	.27	.80
C91286	26	85	.19	.61
C91288	24	275	.03	.36
C91293	35	87	.24	.61
C91299	6	11	.28	.52
C91304	8	49	.14	.85
C91305	31	70	.53	1.20
MEAN	18	73	.22	.65
S.D.	11.0	76.5	.132	.244
N	10	10	10	10
Group: 4	Dose Level: 100		Dosage Unit: ppm	
C91326	58	165	.32	.92
C91327	8	7	.37	.32
C91329	23	45	.43	.84
C91332	18	22	.37	.46
C91337	25	93	.30	1.10
C91348	9	9	.43	.43
C91355	6	22	.24	.88
C91370	29	110	.24	.90
C91374	12	34	.31	.87
C91379	14	59	.11	.46
MEAN	20	57	.31	.72
S.D.	15.4	51.3	.098	.271
N	10	10	10	10

Appendix 5

Individual Urine Chemistry Data

Males Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
Group: 1	Dose Level: 0		Dosage Unit: ppm	
C90721	10	46	.30	1.40
C90735	21	79	.24	.91
C90736	57	179	.41	1.29
C90738	14	114	.15	1.22
C90739	28	141	.21	1.04
C90747	15	70	.22	1.03
C90751	28	78	.43	1.20
C90752	15	68	.36	1.61
C90755	38	72	.95	1.79
C90766	49	177	.43	1.54
MEAN	28	102	.37	1.30
S.D.	15.9	47.8	.227	.281
N	10	10	10	10
Group: 2	Dose Level: 3		Dosage Unit: ppm	
C90795	20	56	.49	1.37
C90799	19	82	.32	1.37
C90802	43	86	.45	.90
C90803	41	70	.84	1.44
C90805	55	129	.80	1.87
C90806	25	101	.25	1.02
C90824	35	147	.29	1.22
C90825	33	141	.26	1.11
C90839	40	70	.62	1.09
C90840	29	138	.25	1.17
MEAN	34	102	.46	1.26
S.D.	11.2	34.0	.227	.274
N	10	10	10	10

Appendix 5

Individual Urine Chemistry Data

Males Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
Group: 3	Dose Level: 30		Dosage Unit: ppm	
C90847	23	35	.89	1.35
C90855	34	133	.41	1.60
C90858	64	252	.26	1.01
C90859	51	124	.34	.83
C90864	33	76	.33	.76
C90865	12	32	.46	1.23
C90871	41	226	.20	1.13
C90872	73	211	.44	1.27
C90882	67	141	.39	.82
C90886	61	118	.62	1.19
MEAN	46	135	.43	1.12
S.D.	20.5	76.2	.197	.266
N	10	10	10	10
Group: 4	Dose Level: 100		Dosage Unit: ppm	
C90916 a	5	13	-	-
C90931	67	189	.34	.94
C90937	18	61	.50	1.68
C90940	45	164	.31	1.12
C90944	21	81	.46	1.76
C90945	39	111	.41	1.17
C90954	28	117	.23	.96
C90956	61	109	.38	.69
C90957	86	192	.84	1.88
C90963	57	104	.64	1.16
MEAN	43	114	.46	1.26
S.D.	25.3	56.2	.186	.413
N	10	10	9	9

a Unable to calculate due to inaccurate urine volume.

Appendix 5

Individual Urine Chemistry Data

Females Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
Group: 1	Dose Level: 0		Dosage Unit: ppm	
C91127	46	198	.10	.44
C91128	22	101	.25	1.13
C91133	34	78	.30	.69
C91137 a	4	10	-	-
C91144	19	148	.04	.30
C91153	12	88	.13	.97
C91154	19	60	.30	.96
C91158	52	108	.57	1.19
C91161 a	11	22	-	-
C91183	9	35	.20	.77
MEAN	23	85	.24	.81
S.D.	16.1	58.0	.164	.318
N	10	10	8	8
Group: 2	Dose Level: 3		Dosage Unit: ppm	
C91196	6	35	.08	.44
C91207	29	121	.10	.40
C91210	51	139	.20	.56
C91211	52	80	.32	.50
C91214	62	104	.40	.67
C91221	50	69	.53	.73
C91224	14	44	.16	.49
C91235 a	3	7	-	-
C91243	9	26	.32	.91
C91244	10	40	.20	.78
MEAN	29	66	.26	.61
S.D.	22.9	43.7	.148	.173
N	10	10	9	9

a Unable to calculate due to inaccurate urine volume.

Appendix 5

Individual Urine Chemistry Data

Females Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
Group: 3	Dose Level: 30		Dosage Unit: ppm	
C91252 a	4	14	-	-
C91254 QS	-	-	-	-
C91264	13	65	.11	.57
C91267	13	31	.11	.26
C91283	31	54	.35	.62
C91286	14	40	.20	.56
C91292	27	70	.22	.56
C91295	20	54	.11	.30
C91301	30	65	.32	.68
C91303	36	76	.47	1.00
MEAN	21	52	.24	.57
S.D.	10.7	20.2	.133	.229
N	9	9	8	8
Group: 4	Dose Level: 100		Dosage Unit: ppm	
C91312	16	71	.14	.60
C91323	17	81	.21	.98
C91328	15	88	.10	.57
C91339	37	98	.29	.76
C91340	77	166	.44	.95
C91351	11	36	.31	1.00
C91354	44	89	.26	.52
C91357	11	32	.26	.75
C91369	23	67	.32	.94
C91371	16	49	.33	1.00
MEAN	27	78	.27	.81
S.D.	20.8	38.4	.098	.191
N	10	10	10	10

a Unable to calculate due to inaccurate urine volume.

Appendix 5

Individual Urine Chemistry Data

Males Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
Group: 1	Dose Level: 0		Dosage Unit: ppm	
C90712	28	145	.21	1.09
C90723 a	9	22	-	-
C90727	25	137	.28	1.53
C90730	16	89	.28	1.58
C90755 a	16	25	-	-
C90758	14	94	.23	1.53
C90759	41	126	.45	1.39
C90764	29	178	.22	1.35
C90766	21	141	.32	2.12
C90774	30	147	.28	1.37
MEAN	23	110	.28	1.50
S.D.	9.5	52.5	.077	.296
N	10	10	8	8
Group: 2	Dose Level: 3		Dosage Unit: ppm	
C90781	25	133	.29	1.53
C90792	26	141	.34	1.83
C90793	27	174	.21	1.36
C90798	20	117	.31	1.81
C90799	27	130	.30	1.44
C90800	29	85	.47	1.38
C90812	40	270	.18	1.22
C90822	37	205	.30	1.68
C90829	19	83	.48	2.10
C90832	18	76	.43	1.80
MEAN	27	141	.33	1.62
S.D.	7.2	60.8	.102	.273
N	10	10	10	10

a Sample was overflowing at the time of collection.

Appendix 5

Individual Urine Chemistry Data

Males Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
Group: 3	Dose Level: 30		Dosage Unit: ppm	
C90841	27	79	.52	1.52
C90850	45	259	.19	1.11
C90854	17	90	.29	1.53
C90855	48	134	.64	1.78
C90856	23	215	.13	1.20
C90859	32	110	.69	2.39
C90873	27	96	.68	2.40
C90879	29	166	.20	1.13
C90881	19	138	.23	1.66
C90896	14	72	.31	1.60
MEAN	28	136	.39	1.63
S.D.	11.2	61.5	.221	.462
N	10	10	10	10
Group: 4	Dose Level: 100		Dosage Unit: ppm	
C90908	48	176	.43	1.58
C90914	32	136	.46	1.97
C90923	19	94	.18	.89
C90926	30	195	.27	1.76
C90927	39	103	.61	1.62
C90934	35	163	.24	1.14
C90936	39	162	.36	1.49
C90944 a	9	29	-	-
C90946	14	48	.34	1.18
C90956	20	54	.54	1.46
MEAN	28	116	.38	1.45
S.D.	12.5	58.9	.142	.335
N	10	10	9	9

a Sample was overflowing at the time of collection.

Appendix 5

Individual Urine Chemistry Data

Females Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
Group: 1	Dose Level: 0		Dosage Unit: ppm	
C91123	14	34	.32	.76
C91125	12	56	.14	.67
C91131	12	86	.09	.64
C91132	9	33	.27	.99
C91153	43	93	.69	1.49
C91156	41	133	.27	.86
C91158	43	128	.34	1.02
C91178	26	154	.14	.83
C91180	57	78	.67	.92
C91189	32	84	.36	.96
MEAN	29	88	.33	.91
S.D.	16.8	40.9	.206	.240
N	10	10	10	10
Group: 2	Dose Level: 3		Dosage Unit: ppm	
C91194 a	5	10	-	-
C91197	76	205	.19	.51
C91199	35	100	.37	1.05
C91200	15	32	.33	.71
C91206	10	47	.31	1.44
C91227 a	9	23	-	-
C91229	12	64	.13	.70
C91231	56	162	.31	.89
C91244	27	102	.24	.90
C91250	41	176	.17	.74
MEAN	29	92	.26	.87
S.D.	23.4	68.9	.086	.283
N	10	10	8	8

a Sample was overflowing at the time of collection.

Appendix 5

Individual Urine Chemistry Data

Females Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
Group: 3	Dose Level: 30		Dosage Unit: ppm	
C91255	25	70	.40	1.13
C91258	11	76	.10	.72
C91264 a	6	16	-	-
C91269	27	106	.35	1.38
C91270	26	150	.20	1.12
C91274	16	49	.20	.61
C91289	37	136	.18	.68
C91294	20	80	.18	.72
C91297	23	93	.17	.70
C91305	50	232	.38	1.76
MEAN	24	101	.24	.98
S.D.	12.6	60.4	.107	.395
N	10	10	9	9
Group: 4	Dose Level: 100		Dosage Unit: ppm	
C91314	13	49	.24	.92
C91319	12	38	.42	1.31
C91326	34	167	.23	1.12
C91334	13	42	.47	1.53
C91346	13	128	.09	.92
C91356	71	213	.26	.77
C91359	29	105	.22	.79
C91363	88	263	.27	.82
C91372	8	13	.31	.51
C91373	26	114	.33	1.45
MEAN	31	113	.28	1.01
S.D.	27.4	82.0	.107	.329
N	10	10	10	10

a Sample was overflowing at the time of collection.

COVANCE
THE DEVELOPMENT SERVICES COMPANY

Sponsor:

3M
St. Paul, Minnesota

FINAL REPORT

Study Title:

104-Week Dietary Carcinogenicity Study with Narrow Range (98.1%) N-Ethyl Perfluorooctanesulfonamido Ethanol in Rats

Author:

Peter J. Thomford, PhD

Study Completion Date:

December 13, 2001

Testing Facility:

Covance Laboratories Inc.
3301 Kinsman Boulevard
Madison, Wisconsin 53704-2595

Laboratory Study Identification:

Covance 6329-212

Sponsor Study Identification:

3M T-6316.1

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APPENDIX 6

Individual Anatomic Pathology Data

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90711 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/26/99 STUDY DAY OF DEATH: 547 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 402.5 GRAMS
DATE AND TIME OF NECROPSY: 07/26/99 8:11 PROSECTOR: LYNN HORNER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		EYE (EY) :
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) :	-MINERALIZATION, CORNEAL,-MINIMAL, FOCAL BRAIN (BR) :
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>BEHAVIOR; RECUMBENT; LATERAL; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) :
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE		-VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL KIDNEY (KD) :
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE		-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -PYELONEPHRITIS,-MODERATE, MULTI-FOCAL LUNG (LU) :
		-INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL, MULTI-FOCAL -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 15 X 10 X 7 MM, DARK RED, GRAY, TAN AND SOFT	-HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) :	STOMACH, GL (ST) :
	-EROSION/ULCERATION; MUCOSA: SINGLE BROWN ERODED AREA, 2 MM IN DIAMETER	-EROSION,-MINIMAL, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90711 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/26/99 STUDY DAY OF DEATH: 547 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 402.5 GRAMS
DATE AND TIME OF NECROPSY: 07/26/99 8:11 PROSECTOR: LYNN HORNER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	URINARY BLADDER (UB) : -CALCULUS(I); WITHIN LUMEN: SINGLE CALCULUS, 10 X 6 X 6 MM, WHITE AND FIRM	URINARY BLADDER (UB) : >UNREMARKABLE
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90711 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/26/99 STUDY DAY OF DEATH: 547 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 402.5 GRAMS
DATE AND TIME OF NECROPSY: 07/26/99 8:11 PROSECTOR: LYNN HORNER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90712 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 397.3 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 8:25 PROSECTOR: JODI THIEREN RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED		EYE (EY) : -HYPERPLASIA, CORNEAL EPITHELIUM,-SLIGHT, FOCAL -INFLAMMATION, ACUTE, CORNEAL,-MINIMAL, FOCAL -MINERALIZATION, CORNEAL,-MINIMAL, FOCAL
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE	KIDNEY (KD) : -ROUGH SURFACE, DIFFUSE; BILATERAL -DIFFUSELY LIGHT; BILATERAL: TAN -CYST(S); BILATERAL, CORTICAL SURFACE: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 2 MM IN DIAMETER -LARGE; BILATERAL: EACH IS UP TO 28 X 20 X 13 MM	KIDNEY (KD) : -CYST,-MODERATE, MULTI-FOCAL -MINERALIZATION,-MODERATE, FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-SEVERE, DIFFUSE -THROMBUS,-MODERATELY SEVERE, FOCAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		
>SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE	PANCREAS (PA) : -LARGE VESSELS; DIFFUSE, UP TO 3 MM IN DIAMETER (CAP 23)	PANCREAS (PA) : -HEMORRHAGE,-MODERATE, FOCAL -INFLAMMATION, VASCULAR,-MODERATELY SEVERE, FOCAL
	ADRENAL, CORTEX (AC) : -DARK FOCUS(I)/AREA(S); RIGHT: SINGLE DARK BROWN FOCUS, 1 MM IN DIAMETER	ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATELY SEVERE, FOCAL -HEMORRHAGE,-MODERATELY SEVERE, FOCAL -HYPERPLASIA, CORTICAL,-SLIGHT, FOCAL -MINERALIZATION,-MINIMAL, FOCAL -THROMBUS,-MODERATELY SEVERE, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90712 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 397.3 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 8:25 PROSECTOR: JODI THIEREN RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -VACUOLATION,-MINIMAL, FOCAL
	TESTIS (TE) : -SMALL; BILATERAL: RIGHT IS 20 X 11 X 10 MM, LEFT IS 18 X 11 X 10 MM; BOTH APPEAR SOFT	TESTIS (TE) : -ATROPHY/DEGENERATION,-SEVERE, DIFFUSE -INFLAMMATION, CHRONIC,-MODERATE, MULTI-FOCAL
		HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL -FIBROSIS,-MINIMAL, MULTI-FOCAL
	PARATHYROID (PT) : -LARGE; BILATERAL: 2 MM IN DIAMETER	PARATHYROID (PT) : -HYPERPLASIA,-MODERATE, DIFFUSE
		PITUITARY (PI) : -HYPERPLASIA,-MODERATE, FOCAL
		STOMACH, GL (ST) : -MINERALIZATION,-SLIGHT, MULTI-FOCAL
	PROSTATE (PR) : -NODULAR; PROXIMAL, SURROUNDING URETHRA: GREEN AND FIRM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL, MULTI-FOCAL
	SEMINAL VESICLES (SV) : -SMALL; BILATERAL: EACH IS 15 X 5 X 1 MM	SEMINAL VESICLES (SV) : >UNREMARKABLE
	EPIDIDYMIDES (EP) : -SMALL; BILATERAL: EACH IS 40 X 10 X 4 MM	EPIDIDYMIDES (EP) : -HYPOSPERMIA,-PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
		MAMMARY, MALE (MM) : -PIGMENT,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90712 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 397.3 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 8:25 PROSECTOR: JODI THIEREN RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	AORTA (AO) : -LARGE; DIFFUSE: UP TO 4 MM IN DIAMETER (CAP 22) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED, DRY MATERIAL -MALOCCLUSION; BILATERAL: LOWER INCISORS -ANIMAL THIN -BONE MARROW SMEAR TAKEN -TEETH MISSING/BROKEN/WORN; BILATERAL, UPPER INCISORS: BROKEN OFF AT BASE	AORTA (AO) : >UNREMARKABLE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90712 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 397.3 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 8:25 PROSECTOR: JODI THIEREN RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
BRAIN (BR), LIVER (LI), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90713 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/10/99 STUDY DAY OF DEATH: 684 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: 533.2 GRAMS
DATE AND TIME OF NECROPSY: 12/10/99 8:11 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; AXILLARY REGION-RIGHT; VERIFIED AT NECROPSY: NOT OBSERVED	EYE (EY) : -WHITE INTRAOCULAR MATERIAL	EYE (EY) : >UNREMARKABLE
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>EYES; PALE; EYE-RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, 2 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : >UNREMARKABLE
>SKIN & PELAGE; BROWN HAIR COAT; PERINEAL AREA; VERIFIED AT NECROPSY: NOT OBSERVED		
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATELY SEVERE, MULTI-FOCAL
>BEHAVIOR; RECUMBENT; LATERAL; VERIFIED AT NECROPSY: NOT APPLICABLE		ADRENAL, MEDULLA (MA) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT
	LUNG (LU) : -LIGHT FOCUS(I)/AREA(S); ALONG MARGIN OF RIGHT CAUDAL LOBE: SINGLE TAN, SLIGHTLY RAISED AREA, 1 MM IN DIAMETER	LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL, MULTI-FOCAL -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL
		THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT
		PARATHYROID (PT) : >SECTION EXAMINED; TISSUE NOT PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90713 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 10 X 10 X 6 MM, DARK RED, RED, TAN AND SOFT GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY, DARK BROWN MATERIAL	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90713 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
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DATE AND TIME OF NECROPSY: 12/10/99 8:11 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90714 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 639.2 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 10:33 PROSECTOR: KIMBERLY DURLAND RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0321	.0050 %	.0140	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0269	.0042 %	.0117	WEIGHT TAKEN
BRAIN (BR)	2.2920	.3586 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	2.2054	.3450 %	.9622	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	2.2469	.3515 %	.9803	WEIGHT TAKEN
LIVER (LI)	17.9422	2.8070 %	7.8282	WEIGHT TAKEN
LUNG (LU)	2.1290	.3331 %	.9289	WEIGHT TAKEN
SPLEEN (SP)	.8259	.1292 %	.3603	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.5323	.2397 %	.6685	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.5470	.2420 %	.6750	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0108	.0017 %	.0047	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0136	.0021 %	.0059	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
KIDNEY (KD) :
-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
THYROID (TY) :
-CYST, ULTIMOBRANCHIAL,-PRESENT
PROSTATE (PR) :
-INFLAMMATION, CHRONIC-ACTIVE,-MODERATE, FOCAL
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 01/27/99 10:33 PROSECTOR: KIMBERLY DURLAND RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90715 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/05/99 STUDY DAY OF DEATH: 649 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 617.9 GRAMS
DATE AND TIME OF NECROPSY: 11/05/99 14:15 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; BROWN HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: NOT OBSERVED
>SKIN & PELAGE; BROWN HAIR COAT; PERINEAL AREA; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
-DILATATION, VENTRICULAR,-PRESENT
LIVER (LI) :
-FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-SLIGHT, FOCAL
-HYPERPLASIA, BILE DUCT,-SLIGHT, MULTI-FOCAL
-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
KIDNEY (KD) :
-CAST, PROTEINACEOUS,-SLIGHT, MULTI-FOCAL
PANCREAS (PA) :
-PIGMENT,-MINIMAL, MULTI-FOCAL
ADRENAL, MEDULLA (MA) :
-HYPERPLASIA, MEDULLARY,-MINIMAL, FOCAL
LUNG (LU) :
-INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL, FOCAL
HEART (HT) :
-DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 12 X 10 X 10 MM, DARK RED, TAN AND SOFT GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; BOTH REGIONS: MOIST, BROWN MATERIAL -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL, UPPER AND LOWER INCISORS	PITUITARY (PI) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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ANIMAL NUMBER: C90715 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/05/99 STUDY DAY OF DEATH: 649 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 617.9 GRAMS
DATE AND TIME OF NECROPSY: 11/05/99 14:15 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), ADRENAL, CORTEX (AC), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90716 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 896.0 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 8:15 PROSECTOR: TONY HANFELD RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: OBSERVED
>WART LIKE LESION(S); DORSAL; WEEK 105; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

LIVER (LI) :
-RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 4 X 3 MM; COLLECTED ON ROUTINE SECTIONS

HISTOPATHOLOGY

LIVER (LI) :
-FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MODERATE, MULTI-FOCAL
-VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL
LIVER, OIL RED O (LI1) :
-POSITIVE OIL RED O STAINING,-SLIGHT, MULTI-FOCAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
PANCREAS (PA) :
-ATROPHY, ACINAR,-SLIGHT, FOCAL
ADRENAL, CORTEX (AC) :
-DEGENERATION, CYSTIC, CORTICAL,-SLIGHT, FOCAL
-HEMORRHAGE,-SLIGHT, FOCAL
-VACUOLATION,-MINIMAL, FOCAL
HEART (HT) :
-DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL
-FIBROSIS,-MINIMAL, MULTI-FOCAL
THYROID (TY) :
-B-ADENOMA, C-CELL,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90716 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 896.0 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 8:15 PROSECTOR: TONY HANFELD RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	SKIN (SK) : -RAISED AREA(S); DORSAL LUMBAR REGION: SINGLE FIRM, RED AREA, 17 X 15 X 12 MM (CAP 22)	SKIN (SK) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -B-FIBROMA,-NEOPLASM PRESENT
		PROSTATE (PR) : -INFLAMMATION, CHRONIC,-MINIMAL, FOCAL
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -STAINS - SKIN/HAIRCOAT; ENTIRE HEAD, HAIRCOAT: DRY RED MATERIAL -BONE MARROW SMEAR TAKEN -ANIMAL OBESE	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90716 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 896.0 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 8:15 PROSECTOR: TONY HANFELD RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90717 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 03/20/98 STUDY DAY OF DEATH: 54 STUDY WEEK OF DEATH: 8 TERMINAL BODY WEIGHT: 462.2 GRAMS
DATE AND TIME OF NECROPSY: 03/20/98 10:59 PROSECTOR: DONIA MEYER RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TERRI L. WILLIAMS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0353	.0076 %	.0163	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0295	.0064 %	.0136	WEIGHT TAKEN
BRAIN (BR)	2.1647	.4683 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.6555	.3582 %	.7648	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.5543	.3363 %	.7180	WEIGHT TAKEN
LIVER (LI)	12.1561	2.6301 %	5.6156	WEIGHT TAKEN
LUNG (LU)	1.4254	.3084 %	.6585	WEIGHT TAKEN
SPLEEN (SP)	.7066	.1529 %	.3264	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.6716	.3617 %	.7722	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.7505	.3787 %	.8087	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0146	.0032 %	.0067	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0107	.0023 %	.0049	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

LIVER (LI) :
-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90717 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 03/20/98 STUDY DAY OF DEATH: 54 STUDY WEEK OF DEATH: 8 TERMINAL BODY WEIGHT: 462.2 GRAMS
DATE AND TIME OF NECROPSY: 03/20/98 10:59 PROSECTOR: DONIA MEYER RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TERRI L. WILLIAMS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), DUODENUM (DU)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90718 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 03/20/98 STUDY DAY OF DEATH: 54 STUDY WEEK OF DEATH: 8 TERMINAL BODY WEIGHT: 449.7 GRAMS
DATE AND TIME OF NECROPSY: 03/20/98 8:41 PROSECTOR: GREGORY CODDINGTON RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TERRI L. WILLIAMS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0344	.0076 %	.0159	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0306	.0068 %	.0141	WEIGHT TAKEN
BRAIN (BR)	2.1686	.4822 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.3251	.2947 %	.6110	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.3182	.2931 %	.6079	WEIGHT TAKEN
LIVER (LI)	10.8628	2.4156 %	5.0091	WEIGHT TAKEN
LUNG (LU)	1.4621	.3251 %	.6742	WEIGHT TAKEN
SPLEEN (SP)	.8431	.1875 %	.3888	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.4436	.3210 %	.6657	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.4531	.3231 %	.6701	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0142	.0032 %	.0065	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0169	.0038 %	.0078	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

KIDNEY (KD) :
-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90718 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 03/20/98 STUDY DAY OF DEATH: 54 STUDY WEEK OF DEATH: 8 TERMINAL BODY WEIGHT: 449.7 GRAMS
DATE AND TIME OF NECROPSY: 03/20/98 8:41 PROSECTOR: GREGORY CODDINGTON RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TERRI L. WILLIAMS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), THYMUS (TH), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), EPIDIDYMIDES (EP)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90719 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 307.3 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 8:19 PROSECTOR: TODD ACKER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	8.9709	2.9193 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RIGHT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LEFT THYROID/PAR (TT0)	--------	--------	--------	NOT TAKEN
RIGHT THYROID/PR (TT1)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90719 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 307.3 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 8:19 PROSECTOR: TODD ACKER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90720 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/05/99 STUDY DAY OF DEATH: 618 STUDY WEEK OF DEATH: 89 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/05/99 9:58 PROSECTOR: TONY HANFELD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATELY SEVERE, DIFFUSE PANCREAS (PA) : -ATROPHY, ACINAR,-MODERATE, MULTI-FOCAL ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,- 2 NEOPLASMS PRESENT HEART (HT) : -DEGENERATION/NECROSIS,-MODERATE, MULTI-FOCAL -FIBROSIS,-MODERATE, MULTI-FOCAL
	PITUITARY (PI) : -MASS(ES); 7 X 5 X 4 MM, TAN, RED, SOFT, AND LOBULATED	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT JEJUNUM (JE) : >AUTOLYTIC ILEUM (IL) : >AUTOLYTIC PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90720 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/05/99 STUDY DAY OF DEATH: 618 STUDY WEEK OF DEATH: 89 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/05/99 9:58 PROSECTOR: TONY HANFELD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), ADRENAL, CORTEX (AC), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90721 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/26/98 STUDY DAY OF DEATH: 305 STUDY WEEK OF DEATH: 44 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/26/98 12:55 PROSECTOR: KEVIN BILLINGS RECORDER: KEVIN BILLINGS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-THORACIC; WEEK 42; 30 X 30MM; VERIFIED AT NECROPSY: NOT OBSERVED	LIVER (LI) : -LARGE; ALL LOBES -MOTTLED; ALL LOBES: DARK RED, BROWN AND TAN	LIVER (LI) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
>SKIN & PELAGE; BROWN HAIR COAT; PERINEAL AREA; VERIFIED AT NECROPSY: NOT OBSERVED		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		
>SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE	SPLEEN (SP) : -LARGE; 70 X 12 X 10 MM	SPLEEN (SP) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
		PANCREAS (PA) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
	ADRENAL, CORTEX (AC) : -MASS(ES); LEFT, INVOLVING ENTIRE GLAND: SINGLE MASS, 20 MM IN DIAMETER; DARK RED, GRAY, TAN AND SOFT; SAME ON CUT SURFACE (CAP 24); REGIONAL LN (SEE RENAL)	ADRENAL, CORTEX (AC) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
		ADRENAL, MEDULLA (MA) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90721 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/26/98 STUDY DAY OF DEATH: 305 STUDY WEEK OF DEATH: 44 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/26/98 12:55 PROSECTOR: KEVIN BILLINGS RECORDER: KEVIN BILLINGS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LN, MESENTERIC (MS) : -LARGE; UP TO 25 MM IN DIAMETER -MOTTLED; DARK RED, GRAY AND TAN	LN, MESENTERIC (MS) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT MARROW, FEMUR (FM) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT MARROW, STERNUM (SE) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
	THYMUS (TH) : -MASS(ES); INVOLVING ENTIRE GLAND: SINGLE MASS, 20 X 15 X 10 MM, DARK RED TAN AND FIRM; SAME ON CUT SURFACE; REGIONAL LN (SEE MEDIASTINAL)	THYMUS (TH) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
	MUSCLE, SKELETAL (SM) : -MASS(ES); EXTENDING FROM LEFT MANDIBLE TO LEFT DORSAL ASPECT OF SKULL CAP: SINGLE MASS, 20 X 15 X 10 MM; TAN AND SOFT; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (SEE MANDIBULAR)	MUSCLE, SKELETAL (SM) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
		PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90721 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/26/98 STUDY DAY OF DEATH: 305 STUDY WEEK OF DEATH: 44 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/26/98 12:55 PROSECTOR: KEVIN BILLINGS RECORDER: KEVIN BILLINGS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		SALIV GL, MANDIB (SG) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT JEJUNUM (JE) : >AUTOLYTIC PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL CAUSE OF DEATH (CD) : -MALIGNANT LYMPHOMA,-PRESENT
	LN, MANDIBULAR (MN) : -LARGE; BILATERAL, INCLUDING DEEP CERVICAL LN'S: UP TO 12 X 10 X 8 MM; COLLECTED	LN, MANDIBULAR (MN) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
	LN, MEDIASTINAL (ML) : -LARGE; UP TO 6 MM IN DIAMETER -DIFFUSELY RED; DARK RED (CAP 22)	LN, MEDIASTINAL (ML) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT HEMATO NEOPLASIA (HN) : -M-LYMPHOMA,-NEOPLASM PRESENT MESENTERY (MY) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL
	LN, ANT MES/PANC (AP) : -LARGE; UP TO 8 MM IN DIAMETER (CAP 23) -MOTTLED; DARK RED AND TAN	LN, ANT MES/PANC (AP) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
	LN, LUMBAR/ILIAC (LM) : -LARGE; BILATERAL: EACH IS UP TO 25 X 15 X 10 MM (CAP 26)	LN, LUMBAR/ILIAC (LM) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 11/26/98 12:55 PROSECTOR: KEVIN BILLINGS RECORDER: KEVIN BILLINGS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LN, LUMBAR/ILIAC (LM) : -MOTTLED; BILATERAL: DARK RED AND TAN LN, RENAL (RL) : -LARGE; BILATERAL: EACH IS UP TO 12 X 10 X 10 MM (CAP 25) GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; YELLOW -FLUID-THORACIC CAVITY; FILLED WITH A DARK RED FLUID	LN, RENAL (RL) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90721 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/26/98 STUDY DAY OF DEATH: 305 STUDY WEEK OF DEATH: 44 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/26/98 12:55 PROSECTOR: KEVIN BILLINGS RECORDER: KEVIN BILLINGS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), PANCREAS (PA), ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), TESTIS (TE), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90722 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 859.8 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 10:29 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LIVER, OIL RED O (LI1) : -POSITIVE OIL RED O STAINING,-SLIGHT, MULTI-FOCAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
	PANCREAS (PA) : -LARGE VESSELS; VESSELS NEAR DUODENUM: UP TO 2 MM IN DIAMETER (CAP 22)	PANCREAS (PA) : -ATROPHY, ACINAR,-MINIMAL, MULTI-FOCAL -HYPERTROPHY, VASCULAR,-MODERATELY SEVERE, MULTI-FOCAL
	ADRENAL, CORTEX (AC) : -LARGE; LEFT: 6 X 5 X 5 MM (RIGHT IS 4 X 3 X 2 MM)	ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATELY SEVERE, FOCAL -DEGENERATION, CYSTIC, CORTICAL,-MINIMAL, FOCAL -HEMORRHAGE,-MINIMAL, FOCAL -THROMBUS,-SLIGHT, FOCAL HEART (HT) : -FIBROSIS,-MINIMAL, MULTI-FOCAL THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -LIGHT FOCUS(I)/AREA(S); MID LEFT ASPECT: SINGLE DARK RED FOCUS, 1 MM IN DIAMETER	PITUITARY (PI) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90722 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 859.8 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 10:29 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, GL (ST) : -THICKENED WALL; DIFFUSE	STOMACH, GL (ST) : -EDEMA,-SLIGHT, FOCAL PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90722 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
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DATE AND TIME OF NECROPSY: 01/25/00 10:29 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90723 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/22/99 STUDY DAY OF DEATH: 421 STUDY WEEK OF DEATH: 61 TERMINAL BODY WEIGHT: 781.3 GRAMS
DATE AND TIME OF NECROPSY: 03/22/99 14:50 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; PROTRUDING PENIS; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -HYPERPLASIA, BILE DUCT,-MINIMAL, FOCAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT, MULTI-FOCAL RECTUM (RE) : -PARASITISM,-PRESENT CAUSE OF DEATH (CD) : -UNDETERMINED,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL (CAP 21) PENIS (PE) : -PROTRUDING; ENTIRE LENGTH: DRY, RED, AND BROWN; COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	LN, MANDIBULAR (MN) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL PENIS (PE) : -EDEMA,-SEVERE, FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -INFLAMMATION, CHRONIC ACTIVE,-SLIGHT, MULTI-FOCAL -PROLAPSE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90724 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 928.7 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 12:41 PROSECTOR: MICHELE MARGGI RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-RIGHT; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 2 X 1 MM; COLLECTED ON ROUTINE SECTIONS	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL LIVER, OIL RED O (LI1) : -POSITIVE OIL RED O STAINING,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL PANCREAS (PA) : -ATROPHY, ACINAR,-MODERATE, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-MINIMAL, MULTI-FOCAL -VACUOLATION,-MINIMAL, MULTI-FOCAL LN, MESENTERIC (MS) : -DILATATION, SINUSOIDAL,-MODERATE, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90724 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 9 X 7 X 5 MM, RED, DARK RED, TAN, GRAY AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: DARK RED (CAP 23)	LN, MANDIBULAR (MN) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL
	LN, MEDIASTINAL (ML) : -DIFFUSELY RED; DARK RED (CAP 22)	LN, MEDIASTINAL (ML) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL
	FOOT/FOOTPAD(S) (FP) : -ABRASION(S)/ULCERATION(S); RIGHT HINDFOOT: SINGLE DARK BROWN AND MOIST ABRADED AREA, 5 MM IN DIAMETER; COLLECTED	FOOT/FOOTPAD(S) (FP) : -EROSION,-MODERATE, FOCAL -FIBROSIS,-MODERATE, FOCAL -INFLAMMATION, ACUTE,-MODERATE, FOCAL
	DIAPHRAGM (DP) : -MASS(ES); ATTACHED TO DIAPHRAGM, NEAR RIGHT MEDIAN LOBE OF LIVER: SINGLE MASS, 40 X 38 X 15 MM, RED, TAN, VASCULAR, LOBULATED AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (SEE MEDIASTINAL)	DIAPHRAGM (DP) : -B-FIBROMA,-NEOPLASM PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90724 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
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DATE AND TIME OF NECROPSY: 01/25/00 12:41 PROSECTOR: MICHELE MARGGI RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90725 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 346.9 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 9:50 PROSECTOR: TODD ACKER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	10.6740	3.0770 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RIGHT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LEFT THYROID/PAR (TT0)	--------	--------	--------	NOT TAKEN
RIGHT THYROID/PR (TT1)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90725 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90726 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 602.7 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 8:21 PROSECTOR: GREGORY CODDINGTON RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-RIGHT; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL LIVER, OIL RED O (LI1) : -POSITIVE OIL RED O STAINING,-SLIGHT, MULTI-FOCAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL THYMUS (TH) : -CYST,-PRESENT LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT, MULTI-FOCAL THYROID (TY) : -HYPERPLASIA, C-CELL,-SLIGHT, FOCAL PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL, MULTI-FOCAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90726 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LN, LUMBAR/ILIAC (LM) : -LARGE; RIGHT: 15 X 10 X 8 MM (LEFT IS 9 X 4 X 2 MM) (CAP 22) FOOT/FOOTPAD(S) (FP) : -ABRASION(S)/ULCERATION(S); RIGHT HINDFOOT: SINGLE DARK RED AND TAN ABRADED AREA, 13 X 12 MM; COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	LN, LUMBAR/ILIAC (LM) : -DILATATION, SINUSOIDAL,-MODERATELY SEVERE, MULTI-FOCAL FOOT/FOOTPAD(S) (FP) : -EDEMA,-MODERATE, MULTI-FOCAL -EROSION,-MODERATELY SEVERE, MULTI-FOCAL -EXOSTOSES,-MODERATE, FOCAL -INFLAMMATION, ACUTE,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 01/26/00 8:21 PROSECTOR: GREGORY CODDINGTON RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90727 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/29/99 STUDY DAY OF DEATH: 673 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 486.9 GRAMS
DATE AND TIME OF NECROPSY: 11/29/99 14:49 PROSECTOR: WENDY CHERRY RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>WART LIKE LESION(S); PAW-FRONT-LEFT; WEEK 95; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) :	LIVER (LI) :
	-RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 5 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	-DEGENERATION, CYSTIC,-MODERATE, MULTI-FOCAL
		-VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL
>WART LIKE LESION(S); PAW-FRONT-RIGHT; WEEK 95; VERIFIED AT NECROPSY: OBSERVED	KIDNEY (KD) :	KIDNEY (KD) :
	-LARGE PELVIS(ES); BILATERAL	-DILATATION, PELVIC,-PRESENT
	-ROUGH SURFACE, DIFFUSE; BILATERAL	-NEPHROPATHY, CHRONIC PROGRESSIVE,-SEVERE, DIFFUSE
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	-DIFFUSELY LIGHT; BILATERAL: TAN	
>EYES; RED DISCHARGE; EYE-RIGHT; VERIFIED AT NECROPSY: OBSERVED	-CYST(S); BILATERAL, DIFFUSE: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 6 MM IN DIAMETER	
	ADRENAL, CORTEX (AC) :	ADRENAL, CORTEX (AC) :
	-MASS(ES); RIGHT: SINGLE MASS, 35 X 30 X 25 MM, RED, DARK RED, TAN, SOFT AND LOBULATED; CUT SURFACE CONTAINS A TAN CASEOUS SEMISOLID; COLLECTED; REGIONAL LN (SEE RENAL)	-ATROPHY, CORTICAL,-MODERATELY SEVERE, DIFFUSE
		-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
		-MINERALIZATION,-MODERATELY SEVERE, MULTI-FOCAL
		-NECROSIS, CORTICAL,-MODERATELY SEVERE, MULTI-FOCAL
		-PIGMENT,-SLIGHT, MULTI-FOCAL
		-VACUOLATION,-MODERATE, MULTI-FOCAL
		-M-CARCINOMA,-NEOPLASM PRESENT
		TESTIS (TE) :
		-ATROPHY/DEGENERATION,-SEVERE, DIFFUSE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90727 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/29/99 STUDY DAY OF DEATH: 673 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 486.9 GRAMS
DATE AND TIME OF NECROPSY: 11/29/99 14:49 PROSECTOR: WENDY CHERRY RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	TESTIS (TE) : -SMALL; BILATERAL: EACH IS 20 X 15 X 6 MM; BOTH ARE SOFT	TESTIS (TE) : -MINERALIZATION, VASCULAR,-MINIMAL, MULTI-FOCAL BONE, FEMUR (FE) : -OSTEODYSTROPHY, FIBROUS,-SLIGHT, MULTI-FOCAL
	LUNG (LU) : -MASS(ES); ALL LOBES: MULTIPLE MASSES, UP TO 7 X 5 X 5 MM, TAN, BROWN AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (TRACHEOBRONCHIAL) NORMAL (CAP 22)	LUNG (LU) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -INFILTRATE, MACROPHAGE, ALVEOLAR,-MODERATE, MULTI-FOCAL -N-ADRENAL CORTICAL CARCINOMA,-NEOPLASM PRESENT HEART (HT) : -DEGENERATION/NECROSIS,-SLIGHT, MULTI-FOCAL -FIBROSIS,-MINIMAL, MULTI-FOCAL -THROMBUS,-SLIGHT, FOCAL PARATHYROID (PT) : -HYPERPLASIA,-MODERATE, DIFFUSE PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE BROWN AREAS, UP TO 1 MM IN DIAMETER -THICKENED WALL; DIFFUSE	STOMACH, GL (ST) : -MINERALIZATION,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90727 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/29/99 STUDY DAY OF DEATH: 673 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 486.9 GRAMS
DATE AND TIME OF NECROPSY: 11/29/99 14:49 PROSECTOR: WENDY CHERRY RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL, MULTI-FOCAL
	SEMINAL VESICLES (SV) : -SMALL; BILATERAL: EACH IS 15 X 7 X 3 MM	SEMINAL VESICLES (SV) : >UNREMARKABLE
		CAUSE OF DEATH (CD) : -ADRENAL CORTICAL CARCINOMA,-PRESENT
	LN, RENAL (RL) : -LARGE; LEFT: 10 X 10 X 5 MM (RIGHT IS 5 X 3 X 3 MM) (CAP 23)	LN, RENAL (RL) : -DILATATION, SINUSOIDAL,-SLIGHT, MULTI-FOCAL -HEMORRHAGE,-MINIMAL, MULTI-FOCAL
	FOOT/FOOTPAD(S) (FP) : -CRUSTED AREA(S); BILATERAL FRONT FEET: SINGLE DARK RED, TAN AND RAISED AREAS ON EACH, LEFT IS 20 X 5 X 5 MM, RIGHT IS 10 X 3 X 3 MM; BOTH COLLECTED	FOOT/FOOTPAD(S) (FP) : >UNREMARKABLE
	AORTA (AO) : -LARGE; DIFFUSE: UP TO 9 MM IN DIAMETER; COLLECTED	AORTA (AO) : -MINERALIZATION,-MODERATELY SEVERE, MULTI-FOCAL
	AORTIC ARCH (AA) : -LARGE; DIFFUSE: UP TO 10 MM IN DIAMETER; COLLECTED INTACT WITH HEART	AORTIC ARCH (AA) : -MINERALIZATION,-MODERATELY SEVERE, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: RED AND DRY -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90727 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/29/99 STUDY DAY OF DEATH: 673 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 486.9 GRAMS
DATE AND TIME OF NECROPSY: 11/29/99 14:49 PROSECTOR: WENDY CHERRY RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), PENIS (PE), AUDITORY SEB GL (AS), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN), LN, TRACHEOBRON (TB)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90728 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 890.7 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 8:16 PROSECTOR: JODI THIEREN RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -MASS(ES); ALONG MARGIN OF LEFT MEDIAN LOBE: SINGLE MASS, 13 X 12 X 10 MM, RED, DARK RED, TAN AND SOFT; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (HEPATIC) NOT IDENTIFIED -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 5 X 4 MM; SOME ARE SUNKEN WITH A STELLATE PATTERN; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : -TELANGIECTASIS,-MODERATE, MULTI-FOCAL -VACUOLATION, HEPATOCELLULAR,-MODERATELY SEVERE, MULTI-FOCAL -B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL THYMUS (TH) : -CYST,-PRESENT THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT -HYPERPLASIA, C-CELL,-SLIGHT, MULTI-FOCAL PARATHYROID (PT) : -HYPERPLASIA,-MODERATE, FOCAL
	PITUITARY (PI) : -DARK FOCUS(I)/AREA(S); LEFT ANTERIOR ASPECT: SINGLE DARK BROWN FOCUS, 2 MM IN DIAMETER	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90728 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
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DATE AND TIME OF NECROPSY: 01/25/00 8:16 PROSECTOR: JODI THIEREN RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PROSTATE (PR) : -NODULAR; PROXIMAL, SURROUNDING URETHRA: GREEN AND FIRM GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -ANIMAL OBESE	PROSTATE (PR) : -INFLAMMATION, CHRONIC,-SLIGHT, MULTI-FOCAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90728 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
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DATE AND TIME OF NECROPSY: 01/25/00 8:16 PROSECTOR: JODI THIEREN RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER, OIL RED O (LI1), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90729 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/01/99 STUDY DAY OF DEATH: 645 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/01/99 10:37 PROSECTOR: CHANESTA ACKER RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: NOT OBSERVED	TESTIS (TE) : -SMALL; LEFT: 20 X 9 X 5 MM (RIGHT, SEE LARGE COMMENT); APPEARS SOFT -LARGE; RIGHT: 28 X 17 X 12 MM -RED/YELLOW FOCUS(I)/AREA(S); RIGHT, BENEATH TUNICA: MULTIPLE DARK RED AND YELLOW INDISTINCT AREAS	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT KIDNEY (KD) : -CAST, PROTEINACEOUS,-SLIGHT, MULTI-FOCAL PANCREAS (PA) : -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT TESTIS (TE) : -HEMORRHAGE,-SEVERE, MULTI-FOCAL -MINERALIZATION,-MINIMAL, FOCAL -B-INTERSTITIAL CELL TUMOR,-NEOPLASM PRESENT LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL HEART (HT) : -DEGENERATION/NECROSIS,-SLIGHT, MULTI-FOCAL -FIBROSIS,-MODERATE, FOCAL THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 11/01/99 10:37 PROSECTOR: CHANESTA ACKER RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PARATHYROID (PT) : >SECTION EXAMINED; TISSUE NOT PRESENT
	PITUITARY (PI) : -MASS(ES); 6 X 5 X 3 MM, DARK RED AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE BLACK AREAS, UP TO 2 MM IN DIAMETER	STOMACH, GL (ST) : -EROSION,-MODERATE, MULTI-FOCAL
		JEJUNUM (JE) : >AUTOLYTIC
		ILEUM (IL) : >AUTOLYTIC
		PROSTATE (PR) : -INFLAMMATION, ACUTE,-SLIGHT, MULTI-FOCAL
		CAUSE OF DEATH (CD) : -UNDETERMINED,-PRESENT
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; PERINEUM: MOIST, YELLOW MATERIAL -STAINS - SKIN/HAIRCOAT; INVOLVING ENTIRE HEAD: RED, MOIST MATERIAL	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 11/01/99 10:37 PROSECTOR: CHANESTA ACKER RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90730 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/20/99 STUDY DAY OF DEATH: 480 STUDY WEEK OF DEATH: 69 TERMINAL BODY WEIGHT: 494.3 GRAMS
DATE AND TIME OF NECROPSY: 05/20/99 7:49 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) :	-DILATATION, VENTRICULAR,-PRESENT
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE	-MASS(ES); VISCERAL SURFACE OF LEFT LATERAL LOBE: TWO MASSES, ONE IS 20 X 15 X 5 MM, THE OTHER IS 8 X 5 X 3 MM; THE LARGER MASS IS DARK BROWN, RED, AND SOFT; SAME ON CUT SURFACE; THE SMALLER MASS IS RED AND SOFT; SAME ON CUT SURFACE; BOTH MASSES COLLECTED; REGIONAL LN (HEPATIC) NOT IDENTIFIED	LIVER (LI) :
		-HYPERPLASIA, BILE DUCT,-SLIGHT, MULTI-FOCAL
		-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
		-VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL
		-B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT
		KIDNEY (KD) :
		-MINERALIZATION, TUBULAR,-MODERATE, MULTI-FOCAL
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL
		PANCREAS (PA) :
		-B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT
		ADRENAL, CORTEX (AC) :
		-VACUOLATION,-MINIMAL, MULTI-FOCAL
	LN, MESENTERIC (MS) :	LN, MESENTERIC (MS) :
	-DIFFUSELY DARK; GREEN	-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 15 X 12 X 8 MM, RED, DARK RED, TAN, GRAY, AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
	PROSTATE (PR) : -NODULAR; PROXIMAL, SURROUNDING URETHRA: GREEN AND FIRM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
		MAMMARY, MALE (MM) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90731 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 591.1 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 10:53 PROSECTOR: DONIA MEYER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0444	.0075 %	.0199	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0410	.0069 %	.0184	WEIGHT TAKEN
BRAIN (BR)	2.2260	.3766 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.9548	.3307 %	.8782	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	2.0881	.3533 %	.9381	WEIGHT TAKEN
LIVER (LI)	18.2920	3.0946 %	8.2174	WEIGHT TAKEN
LUNG (LU)	2.0427	.3456 %	.9177	WEIGHT TAKEN
SPLEEN (SP)	.7911	.1338 %	.3554	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.7843	.3019 %	.8016	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.8109	.3064 %	.8135	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0107	.0018 %	.0048	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0156	.0026 %	.0070	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

LIVER (LI) :
-MOTTLED; ALL LOBES: RED AND TAN

THYMUS (TH) :
-MOTTLED; RIGHT LOBE: DARK RED AND TAN

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

LIVER (LI) :
>UNREMARKABLE
KIDNEY (KD) :
-CAST, PROTEINACEOUS,-MINIMAL, FOCAL
PANCREAS (PA) :
-FIBROSIS,-MINIMAL, MULTI-FOCAL
-PIGMENT,-MINIMAL, MULTI-FOCAL
THYMUS (TH) :
>NOT REQUIRED TO BE EXAMINED FOR ANIMAL
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90731 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
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DATE AND TIME OF NECROPSY: 04/29/98 10:53 PROSECTOR: DONIA MEYER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90732 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 400.9 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 9:43 PROSECTOR: DONIA MEYER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	13.3343	3.3261 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RIGHT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LEFT THYROID/PAR (TT0)	--------	--------	--------	NOT TAKEN
RIGHT THYROID/PR (TT1)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90732 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
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DATE AND TIME OF NECROPSY: 02/18/98 9:43 PROSECTOR: DONIA MEYER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90733 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/22/99 STUDY DAY OF DEATH: 666 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/22/99 10:37 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>WART LIKE LESION(S); TAIL; WEEK 82; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL, FOCAL KIDNEY (KD) : -MINERALIZATION, TUBULAR,-MODERATE, MULTI-FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-SEVERE, DIFFUSE ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,- 2 NEOPLASMS PRESENT TESTIS (TE) : -ATROPHY/DEGENERATION,-MODERATE, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL -B-INTERSTITIAL CELL TUMOR,-NEOPLASM PRESENT
	LUNG (LU) : -UNCOLLAPSED; ALL LOBES	LUNG (LU) : >UNREMARKABLE HEART (HT) : -DEGENERATION/NECROSIS,-SLIGHT, MULTI-FOCAL -FIBROSIS,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYROID (TY) : -CYST, FOLLICULAR,-MODERATE, FOCAL PARATHYROID (PT) : -HYPERPLASIA,-MODERATE, DIFFUSE STOMACH, GL (ST) : -EROSION,-MODERATE, FOCAL -MINERALIZATION,-MODERATE, MULTI-FOCAL JEJUNUM (JE) : >AUTOLYTIC PROSTATE (PR) : -INFLAMMATION, ACUTE,-SLIGHT, MULTI-FOCAL CAUSE OF DEATH (CD) : -CHRONIC PROGRESSIVE NEPHROPATHY,-PRESENT
	TAIL (TI) : -RAISED AREA(S); ENTIRE LENGTH OF TAIL: MULTIPLE TAN AND SLIGHTLY RAISED AREAS, UP TO 15 X 10 X 2 MM; PORTION COLLECTED	TAIL (TI) : -CYST, EPIDERMAL INCLUSION,-PRESENT -EROSION,-SLIGHT, FOCAL -INFLAMMATION, ACUTE,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 11/22/99 10:37 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90734 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/02/99 STUDY DAY OF DEATH: 554 STUDY WEEK OF DEATH: 80 TERMINAL BODY WEIGHT: 561.0 GRAMS
DATE AND TIME OF NECROPSY: 08/02/99 13:05 PROSECTOR: DENNIS HOFFMAN RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-LEFT; WEEK 61; 20X20 MM; VERIFIED AT NECROPSY: OBSERVED	EYE (EY) :	EYE (EY) :
	-OPAQUE CORNEA; BILATERAL	-INFLAMMATION, ACUTE,-MODERATE, MULTI-FOCAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		-MINERALIZATION, CORNEAL,-MODERATE, FOCAL
>EYES; RED DISCHARGE; EYE-RIGHT; VERIFIED AT NECROPSY: OBSERVED		-ULCERATION, CORNEAL,-MODERATE, FOCAL
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) :	BRAIN (BR) :
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>SKIN & PELAGE; COLD TO TOUCH; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) :
		-FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MINIMAL, FOCAL
		-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
	KIDNEY (KD) :	KIDNEY (KD) :
	-LARGE PELVIS(ES); BILATERAL	-DILATATION, PELVIC,-PRESENT
	-ROUGH SURFACE, DIFFUSE; BILATERAL	-NEPHROPATHY, CHRONIC PROGRESSIVE,-SEVERE, DIFFUSE
	-DIFFUSELY LIGHT; BILATERAL: TAN	TESTIS (TE) :
		-INFLAMMATION, VASCULAR,-MINIMAL, MULTI-FOCAL
	LUNG (LU) :	LUNG (LU) :
	-LIGHT FOCUS(I)/AREA(S); ALL LOBES, DIFFUSE: MULTIPLE WHITE AREAS, UP TO 2 X 3 MM	-INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL, MULTI-FOCAL
		-MINERALIZATION,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 08/02/99 13:05 PROSECTOR: DENNIS HOFFMAN RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		HEART (HT) : -DEGENERATION/NECROSIS,-SLIGHT, MULTI-FOCAL -FIBROSIS,-MINIMAL, MULTI-FOCAL -MINERALIZATION,-MODERATE, MULTI-FOCAL PARATHYROID (PT) : -HYPERPLASIA,-MODERATE, DIFFUSE
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 5 X 6 X 8 MM, FIRM, LOBULATED, RED, DARK RED, TAN, AND BROWN STOMACH, GL (ST) : -RED FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK RED AREAS, PINPOINT AND UP TO 1 X 2 MM CECUM (CE) : -RED FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK RED LINEAR AREAS, UP TO 4 X 7 MM	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT STOMACH, GL (ST) : -EDEMA,-MINIMAL, MULTI-FOCAL -MINERALIZATION,-MODERATELY SEVERE, MULTI-FOCAL -ULCERATION,-MODERATE, FOCAL CECUM (CE) : -EDEMA,-SLIGHT, MULTI-FOCAL -EROSION,-MODERATE, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL URINARY BLADDER (UB) : -HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT, DIFFUSE PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE, MULTI-FOCAL CAUSE OF DEATH (CD) : -CHRONIC PROGRESSIVE NEPHROPATHY,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90734 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
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DATE AND TIME OF NECROPSY: 08/02/99 13:05 PROSECTOR: DENNIS HOFFMAN RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LN, RENAL (RL) : -LARGE; BILATERAL: LEFT IS 4 X 5 X 8 MM, RIGHT IS 2 X 3 X 5 MM (CAP 23) -MOTTLED; BILATERAL: EACH IS RED, DARK RED, AND TAN (CAP 23) MAMMARY, MALE (MM) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 13 X 17 X 24 MM, FIRM, LOBULATED, RED, AND TAN (CAP 21); SAME ON CUT SURFACE; REGIONAL LN (AXILLARY) NORMAL (CAP 22) AORTA (AO) : -LARGE; DIFFUSE: UP TO 4 MM IN DIAMETER -THICKENED WALL; DIFFUSE GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; MOIST BROWN MATERIAL -BLOOD FILM TAKEN -DISCHARGE-OCULAR; RIGHT: DRY RED MATERIAL -ANIMAL THIN	LN, RENAL (RL) : -DILATATION, SINUSOIDAL,-MODERATE, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL MAMMARY, MALE (MM) : -B-FIBROADENOMA,-NEOPLASM PRESENT AORTA (AO) : -MINERALIZATION,-SEVERE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90734 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/02/99 STUDY DAY OF DEATH: 554 STUDY WEEK OF DEATH: 80 TERMINAL BODY WEIGHT: 561.0 GRAMS
DATE AND TIME OF NECROPSY: 08/02/99 13:05 PROSECTOR: DENNIS HOFFMAN RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), COLON (CO), RECTUM (RE), SKIN (SK), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90735 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 682.2 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 9:42 PROSECTOR: MICHELE MARGGI RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; SWOLLEN; PAW-HIND-LEFT; VERIFIED AT NECROPSY: NOT OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 3 X 2 MM; COLLECTED ON ROUTINE SECTIONS GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	LIVER (LI) : >UNREMARKABLE KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,- MODERATE, MULTI-FOCAL ADRENAL, CORTEX (AC) : -VACUOLATION,-MINIMAL, MULTI-FOCAL PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT RECTUM (RE) : -PARASITISM,-PRESENT PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL, MULTI-FOCAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90735 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 682.2 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 9:42 PROSECTOR: MICHELE MARGGI RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90736 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/13/99 STUDY DAY OF DEATH: 504 STUDY WEEK OF DEATH: 72 TERMINAL BODY WEIGHT: 511.0 GRAMS
DATE AND TIME OF NECROPSY: 06/13/99 7:58 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) :	BRAIN (BR) :
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>BEHAVIOR; RECUMBENT; LATERAL; VERIFIED AT NECROPSY: NOT APPLICABLE	KIDNEY (KD) :	-DILATATION, VENTRICULAR,-PRESENT
	-LARGE PELVIS(ES); BILATERAL	KIDNEY (KD) :
		-CAST, PROTEINACEOUS,-SLIGHT, MULTI-FOCAL
		-DILATATION, PELVIC,-PRESENT
		-MINERALIZATION, PELVIC,-SLIGHT, FOCAL
		ADRENAL, CORTEX (AC) :
		-VACUOLATION,-SLIGHT, MULTI-FOCAL
		HEART (HT) :
		-DEGENERATION/NECROSIS,-SLIGHT, MULTI-FOCAL
		-FIBROSIS,-SLIGHT, MULTI-FOCAL
		THYROID (TY) :
		-CYST, ULTIMOBRANCHIAL,-PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); SINGLE MASS, 19 X 7 X 7 MM, RED, DARK RED, TAN AND SOFT	-B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) :
		-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
	PROSTATE (PR) :	PROSTATE (PR) :
	-NODULAR; PROXIMAL, SURROUNDING URETHRA: TAN AND FIRM	-INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90736 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
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DATE AND TIME OF NECROPSY: 06/13/99 7:58 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	MAMMARY, MALE (MM) : -CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE WHITE AND TAN, CREAMY, SEMIFLUID FILLED CYSTS, UP TO 6 MM IN DIAMETER (CAP 21)	MAMMARY, MALE (MM) : -GALACTOCELE,-MODERATE, FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90736 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
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DATE AND TIME OF NECROPSY: 06/13/99 7:58 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90737 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 03/20/98 STUDY DAY OF DEATH: 54 STUDY WEEK OF DEATH: 8 TERMINAL BODY WEIGHT: 453.3 GRAMS
DATE AND TIME OF NECROPSY: 03/20/98 9:48 PROSECTOR: GREGORY CODDINGTON RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TERRI L. WILLIAMS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0271	.0060 %	.0126	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0299	.0066 %	.0139	WEIGHT TAKEN
BRAIN (BR)	2.1502	.4743 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.3893	.3065 %	.6461	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.4361	.3168 %	.6679	WEIGHT TAKEN
LIVER (LI)	12.9059	2.8471 %	6.0022	WEIGHT TAKEN
LUNG (LU)	1.4966	.3302 %	.6960	WEIGHT TAKEN
SPLEEN (SP)	.8485	.1872 %	.3946	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.4381	.3173 %	.6688	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.4800	.3265 %	.6883	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0090	.0020 %	.0042	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0084	.0019 %	.0039	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: COLLECTED GENERAL COMMENT (GC) : -BONE MARROW SMEAR TAKEN	CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT LN, MANDIBULAR (MN) : >TISSUE MISSING

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90737 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 03/20/98 STUDY DAY OF DEATH: 54 STUDY WEEK OF DEATH: 8 TERMINAL BODY WEIGHT: 453.3 GRAMS
DATE AND TIME OF NECROPSY: 03/20/98 9:48 PROSECTOR: GREGORY CODDINGTON RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TERRI L. WILLIAMS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), DUODENUM (DU)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90738 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/15/99 STUDY DAY OF DEATH: 689 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/15/99 14:58 PROSECTOR: WENDY CHERRY RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) KIDNEY (KD) : -LARGE PELVIS(ES); BILATERAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90738 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/15/99 STUDY DAY OF DEATH: 689 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/15/99 14:58 PROSECTOR: WENDY CHERRY RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		JEJUNUM (JE) : >AUTOLYTIC
	PROSTATE (PR) : -NODULAR; PROXIMAL, SURROUNDING URETHRA: GREEN AND FIRM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL
		CAUSE OF DEATH (CD) : -UNDETERMINED,-PRESENT
	MAMMARY, MALE (MM) : -CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE TAN AND CREAMY SEMIFLUID FILLED CYSTS; COLLECTED ON ROUTINE SECTION	MAMMARY, MALE (MM) : -GALACTOCELE,-MODERATE, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, FOCAL
	GENERAL COMMENT (GC) : -ANIMAL OBESE	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90738 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
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DATE AND TIME OF NECROPSY: 12/15/99 14:58 PROSECTOR: WENDY CHERRY RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90739 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/09/00 STUDY DAY OF DEATH: 714 STUDY WEEK OF DEATH: 102 TERMINAL BODY WEIGHT: 598.2 GRAMS
DATE AND TIME OF NECROPSY: 01/09/00 7:59 PROSECTOR: DONIA MEYER RECORDER: DONIA MEYER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) :	-DILATATION, VENTRICULAR,-PRESENT
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	-RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 2 MM IN DIAMETER; SOME ARE SUNKEN WITH A STELLATE PATTERN; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) :
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		-VACUOLATION, HEPATOCELLULAR,-SEVERE, DIFFUSE
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) :
		-MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL
		PANCREAS (PA) :
		-ATROPHY, ACINAR,-MODERATE, FOCAL
	TESTIS (TE) :	TESTIS (TE) :
	-SMALL; LEFT: 16 X 10 X 3 MM (RIGHT IS 20 X 15 X 5 MM); BOTH ARE SOFT	-ATROPHY/DEGENERATION,-SEVERE, DIFFUSE
		-MINERALIZATION,-SLIGHT, FOCAL
		>NOTE:>LEFT TESTIS
		HEART (HT) :
		-DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL
		PARATHYROID (PT) :
		-HYPERPLASIA,-SLIGHT, DIFFUSE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90739 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 11 X 10 X 8 MM, RED, DARK RED, TAN AND SOFT STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN AREAS, UP TO 2 X 1 MM SEMINAL VESICLES (SV) : -SMALL; BILATERAL: EACH IS 15 X 5 X 2 MM GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: MOIST RED MATERIAL	PITUITARY (PI) : -HEMORRHAGE,-MODERATE -B-ADENOMA,-NEOPLASM PRESENT STOMACH, GL (ST) : >UNREMARKABLE URINARY BLADDER (UB) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL PROSTATE (PR) : -FIBROSIS,-MODERATE, FOCAL -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE, MULTI-FOCAL SEMINAL VESICLES (SV) : -ONE EXAMINED,-PRESENT CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT MAMMARY, MALE (MM) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90739 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/09/00 STUDY DAY OF DEATH: 714 STUDY WEEK OF DEATH: 102 TERMINAL BODY WEIGHT: 598.2 GRAMS
DATE AND TIME OF NECROPSY: 01/09/00 7:59 PROSECTOR: DONIA MEYER RECORDER: DONIA MEYER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90740 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/26/99 STUDY DAY OF DEATH: 456 STUDY WEEK OF DEATH: 66 TERMINAL BODY WEIGHT: 522.6 GRAMS
DATE AND TIME OF NECROPSY: 04/26/99 14:59 PROSECTOR: WENDY CHERRY RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>SKIN & PELAGE; SORE/SCAB; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; COLD TO TOUCH; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

LIVER (LI) :
-MOTTLED; ALL LOBES: DARK RED AND TAN

PITUITARY (PI) :
-MASS(ES); 15 X 10 X 10 MM, DARK RED, TAN, AND SOFT
STOMACH, GL (ST) :
-DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE BROWN AREAS, UP TO 1 X 1 MM

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
-DILATATION, VENTRICULAR,-PRESENT
LIVER (LI) :
-VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL
KIDNEY (KD) :
-CAST, PROTEINACEOUS,-SLIGHT, MULTI-FOCAL
-MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
ADRENAL, CORTEX (AC) :
-VACUOLATION,-MINIMAL, FOCAL
PITUITARY (PI) :
-HEMORRHAGE,-MODERATE, MULTI-FOCAL
-B-ADENOMA,-NEOPLASM PRESENT
STOMACH, GL (ST) :
>UNREMARKABLE

ILEUM (IL) :
-EDEMA,-MINIMAL, DIFFUSE
PROSTATE (PR) :
-INFLAMMATION, ACUTE,-SLIGHT, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT LN, MEDIASTINAL (ML) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL, MULTI-FOCAL >NOTE:>MEDIASTINAL LYMPH NODE PRESENT ON THYMUS SECTION
	TAIL (TI) : -CRUSTED AREA(S); ALONG ENTIRE LENGTH: MULTIPLE DARK RED AND DRY AREAS, UP TO 5 X 4 MM; COLLECTED FOOT/FOOTPAD(S) (FP) : -CRUSTED AREA(S); LEFT HINDFOOT: SINGLE DARK RED AREA, 6 X 3 MM; COLLECTED GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; YELLOW AND MOIST -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY	TAIL (TI) : -EROSION,-MODERATELY SEVERE, FOCAL -FIBROSIS,-MODERATE, FOCAL -INFLAMMATION, ACUTE,-MODERATELY SEVERE, FOCAL FOOT/FOOTPAD(S) (FP) : -EROSION,-MODERATE, MULTI-FOCAL -INFLAMMATION, CHRONIC ACTIVE,-MODERATELY SEVERE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90741 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/22/99 STUDY DAY OF DEATH: 696 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: 497.3 GRAMS
DATE AND TIME OF NECROPSY: 12/22/99 13:51 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>WART LIKE LESION(S); VENTRAL-THORACIC-RIGHT; WEEK 69; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED >SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE >EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE >SKIN & PELAGE; SORE/SCAB; PAWS-HIND; VERIFIED AT NECROPSY: OBSERVED >BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LUNG (LU) : -ADHESION(S); ALL LOBES TO PLEURA: MULTIPLE GRAY FIBROUS ADHESIONS, COLLECTED INTACT	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT LIVER (LI) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL -VACUOLATION, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL KIDNEY (KD) : -MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT, MULTI-FOCAL -PYELONEPHRITIS,-MODERATE, MULTI-FOCAL ADRENAL, CORTEX (AC) : -VACUOLATION,-MINIMAL, MULTI-FOCAL LN, MESENTERIC (MS) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL, MULTI-FOCAL LUNG (LU) : -FIBROSIS, PLEURAL/SUBPLEURAL,-SLIGHT, MULTI-FOCAL PITUITARY (PI) : -HEMORRHAGE,-MODERATELY SEVERE, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 13 X 10 X 8 MM, DARK RED, RED, TAN, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: MULTIPLE TAN ERODED AREAS, UP TO 8 X 4 MM	STOMACH, NONGL (SU) : -EDEMA,-MODERATE, FOCAL -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL, MULTI-FOCAL -ULCERATION,-MODERATELY SEVERE, FOCAL
	SKIN (SK) : -RAISED AREA(S); RIGHT VENTRAL THORACIC AREA: SINGLE TAN AREA, 7 X 7 X 5 MM (CAP 22)	SKIN (SK) : -CYST, EPIDERMAL INCLUSION,-PRESENT
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
		MAMMARY, MALE (MM) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL
	FOOT/FOOTPAD(S) (FP) : -CRUSTED AREA(S); LEFT HIND FOOT: SINGLE TAN AND DRY AREA, 6 X 6 X 4 MM; COLLECTED; RIGHT NOT OBSERVED AT NECROPSY	FOOT/FOOTPAD(S) (FP) : -EDEMA,-MODERATE, FOCAL -INFLAMMATION, ACUTE,-SLIGHT, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90742 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 778.9 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 13:21 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL ADRENAL, CORTEX (AC) : -VACUOLATION,-MODERATE, MULTI-FOCAL PITUITARY (PI) : -CYST,-PRESENT -B-ADENOMA,-NEOPLASM PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, MANDIBULAR (MN) : -MOTTLED; BILATERAL: RED AND TAN; COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	LN, MANDIBULAR (MN) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90742 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 778.9 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 13:21 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90743 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 1053.6 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 8:06 PROSECTOR: JARED FISHEL RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS -CYST(S); ALONG MARGIN OF LATERAL LOBE: SINGLE CLEAR FLUID FILLED CYST, 6 MM IN DIAMETER; COLLECTED	LIVER (LI) : -CYST,-MODERATELY SEVERE, FOCAL -TELANGIECTASIS,-MINIMAL, FOCAL -VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL PANCREAS (PA) : -HYPERPLASIA, ACINAR,-MODERATE, MULTI-FOCAL ADRENAL, CORTEX (AC) : -HYPERPLASIA, CORTICAL,-SLIGHT, FOCAL -VACUOLATION,-MINIMAL, FOCAL THYROID (TY) : -PIGMENT,-MINIMAL, FOCAL -B-ADENOMA, C-CELL,-NEOPLASM PRESENT PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, FOCAL -B-ADENOMA,-NEOPLASM PRESENT RECTUM (RE) : -PARASITISM,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PROSTATE (PR) : -INFLAMMATION, ACUTE,-SLIGHT, MULTI-FOCAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -ANIMAL OBESE	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 01/26/00 8:06 PROSECTOR: JARED FISHEL RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90744 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/21/99 STUDY DAY OF DEATH: 604 STUDY WEEK OF DEATH: 87 TERMINAL BODY WEIGHT: 549.6 GRAMS
DATE AND TIME OF NECROPSY: 09/21/99 11:22 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) :	BRAIN (BR) :
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE		-DILATATION, VENTRICULAR,-PRESENT
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE		-HEMORRHAGE,-MODERATE, FOCAL
>SKIN & PELAGE; RED HAIR COAT; LIMBS-FRONT; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) :
>DISCHARGE; NASAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED		-INFARCT,-SLIGHT, FOCAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATELY SEVERE, DIFFUSE
		ADRENAL, CORTEX (AC) :
		-ANGIECTASIS,-MINIMAL, FOCAL
		-HEMORRHAGE,-MINIMAL, FOCAL
		HEART (HT) :
		-DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); SINGLE MASS, 6 X 7 X 11 MM, FIRM, RED, DARK RED AND TAN	-HEMORRHAGE,-MODERATE, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, NONGL (SU) :	STOMACH, NONGL (SU) :
	-EROSION/ULCERATION; MUCOSA: MULTIPLE TAN AND RED ERODED AREAS, UP TO 2 X 3 MM	>UNREMARKABLE
	-THICKENED WALL; DIFFUSE	
		PROSTATE (PR) :
		-FIBROSIS,-MODERATE, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PROSTATE (PR) : -INFLAMMATION, ACUTE,-MODERATE, MULTI- FOCAL CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; MOIST YELLOW MATERIAL -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY RED MATERIAL -DISCHARGE-NASAL; DRY RED MATERIAL -STAINS - SKIN/HAIRCOAT; HEAD AND FRONT LEGS: DRY RED MATERIAL -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 09/21/99 11:22 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90745 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/12/99 STUDY DAY OF DEATH: 533 STUDY WEEK OF DEATH: 77 TERMINAL BODY WEIGHT: 501.7 GRAMS
DATE AND TIME OF NECROPSY: 07/12/99 14:15 PROSECTOR: DAVID SCHUETTE RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-RIGHT; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>HOUSING,FOOD,WATER & MAINT.; TEETH CUT; VERIFIED AT NECROPSY: NOT APPLICABLE		-DILATATION, VENTRICULAR,-PRESENT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED		KIDNEY (KD) :
>SKIN & PELAGE; RED HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: NOT OBSERVED		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		ADRENAL, CORTEX (AC) :
>BEHAVIOR; SENSITIVE TO TOUCH; VERIFIED AT NECROPSY: NOT APPLICABLE		-DEGENERATION, CYSTIC, CORTICAL,-MODERATE, FOCAL
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE		-HEMORRHAGE,-MINIMAL, FOCAL
		LN, MESENTERIC (MS) :
		-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL, MULTI-FOCAL
		LUNG (LU) :
		-INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL, MULTI-FOCAL
		THYROID (TY) :
		-CYST, ULTIMOBRANCHIAL,-PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 10 X 9 X 6 MM, DARK RED, RED, TAN AND SOFT	-HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) :
		-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,- MODERATE, MULTI-FOCAL CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT MAMMARY, MALE (MM) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL -MINERALIZATION,-MINIMAL, MULTI-FOCAL
	FOOT/FOOTPAD(S) (FP) : -ABRASION(S)/ULCERATION(S); RIGHT HIND FOOT: SINGLE, MOIST, BROWN ABRADED AREA, 7 MM IN DIAMETER (CAP 21) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL: UPPER INCISORS	FOOT/FOOTPAD(S) (FP) : -EDEMA,-MODERATE, FOCAL -EROSION,-MODERATELY SEVERE, FOCAL -INFLAMMATION, ACUTE,-MODERATE, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 07/12/99 14:15 PROSECTOR: DAVID SCHUETTE RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90746 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 551.3 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 11:19 PROSECTOR: TODD ACKER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0373	.0068 %	.0173	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0361	.0065 %	.0168	WEIGHT TAKEN
BRAIN (BR)	2.1500	.3900 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	2.0638	.3744 %	.9599	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	2.1022	.3813 %	.9778	WEIGHT TAKEN
LIVER (LI)	15.8931	2.8828 %	7.3921	WEIGHT TAKEN
LUNG (LU)	1.7030	.3089 %	.7921	WEIGHT TAKEN
SPLEEN (SP)	.8143	.1477 %	.3787	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.6455	.2985 %	.7653	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.7015	.3086 %	.7914	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0109	.0020 %	.0051	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0108	.0020 %	.0050	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-HEMATOPOIESIS, EXTRAMEDULLARY,-
MINIMAL, FOCAL
-HEMORRHAGE,-MINIMAL, FOCAL
ADRENAL, CORTEX (AC) :
-VACUOLATION,-MINIMAL, MULTI-FOCAL
STOMACH, GL (ST) :
-EDEMA,-MODERATE, MULTI-FOCAL
STOMACH, NONGL (SU) :
-EDEMA,-MODERATE, MULTI-FOCAL
-EROSION,-MODERATE, MULTI-FOCAL
-HEMORRHAGE,-SLIGHT, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90746 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 551.3 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 11:19 PROSECTOR: TODD ACKER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), PARATHYROID (PT)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90747 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 457.8 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 12:48 PROSECTOR: JARED FISHEL RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>MASS(ES); INGUINAL REGION-RIGHT; WEEK 97; 80 X 60MM; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>EYES; RED DISCHARGE; EYE-RIGHT; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

SPLEEN (SP) :
-LARGE; 50 X 15 X 7 MM; MARGINS APPEAR ROUNDED

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR CELL,-MODERATE, FOCAL
-X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
SPLEEN (SP) :
-X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
ADRENAL, CORTEX (AC) :
-ANGIECTASIS,-SLIGHT, MULTI-FOCAL
-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
-HYPERTROPHY, CORTICAL CELL,-MODERATE, FOCAL
-X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
LN, MESENTERIC (MS) :
-X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
TESTIS (TE) :
>UNREMARKABLE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90747 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 457.8 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 12:48 PROSECTOR: JARED FISHEL RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	TESTIS (TE) : -SMALL; BILATERAL: EACH IS 18 X 8 X 7 MM; BOTH APPEAR SOFT	
		LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL, MULTI-FOCAL
		THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT
	PITUITARY (PI) : -MASS(ES); 8 X 5 X 5 MM, DARK RED AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
		PROSTATE (PR) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
		SEMINAL VESICLES (SV) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
		EPIDIDYMIDES (EP) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, MANDIBULAR (MN) : -LARGE; BILATERAL: EACH IS UP TO 13 X 10 X 4 MM; COLLECTED	LN, MANDIBULAR (MN) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90747 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 457.8 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 12:48 PROSECTOR: JARED FISHEL RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		HEMATO NEOPLASIA (HN) : -M-LYMPHOMA,-NEOPLASM PRESENT
	MAMMARY, MALE (MM) : -MASS(ES); RIGHT INGUINAL REGION: SINGLE MASS, 85 X 50 X 35 MM, RED, TAN, FIRM AND LOBULATED; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, MALE (MM) : -B-FIBROADENOMA,-NEOPLASM PRESENT -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
	LN, POPLITEAL (PP) : -LARGE; BILATERAL: EACH IS UP TO 10 X 8 X 8 MM (CAP 22)	LN, POPLITEAL (PP) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; RIGHT: DRY RED MATERIAL -ANIMAL THIN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90747 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 457.8 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 12:48 PROSECTOR: JARED FISHEL RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90748 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 504.5 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 10:58 PROSECTOR: MICHELE MARGGI RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0312	.0062 %	.0139	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0271	.0054 %	.0121	WEIGHT TAKEN
BRAIN (BR)	2.2436	.4447 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.8414	.3650 %	.8207	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.9977	.3960 %	.8904	WEIGHT TAKEN
LIVER (LI)	15.6073	3.0936 %	6.9564	WEIGHT TAKEN
LUNG (LU)	1.9152	.3796 %	.8536	WEIGHT TAKEN
SPLEEN (SP)	.8258	.1637 %	.3681	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.4841	.2942 %	.6615	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.5291	.3031 %	.6815	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0137	.0027 %	.0061	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0119	.0024 %	.0053	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90748 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 504.5 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 10:58 PROSECTOR: MICHELE MARGGI RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90749 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/03/99 STUDY DAY OF DEATH: 647 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 427.3 GRAMS
DATE AND TIME OF NECROPSY: 11/03/99 8:09 PROSECTOR: CHANESTA ACKER RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		-DILATATION, VENTRICULAR,-PRESENT
	LIVER (LI) :	LIVER (LI) :
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	-MOTTLED; ALL LOBES: DARK RED AND TAN	-DEGENERATION, CYSTIC,-MODERATE, MULTI-FOCAL
		-FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-SLIGHT, MULTI-FOCAL
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: OBSERVED		-VACUOLATION, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED	KIDNEY (KD) :	KIDNEY (KD) :
	-CYST(S); RIGHT, CORTICAL SURFACE: SINGLE CLEAR FLUID FILLED CYST, 3 MM IN DIAMETER	-CYST,-MODERATE, FOCAL
>EYES; PALE; EYES; VERIFIED AT NECROPSY: NOT APPLICABLE		-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT, MULTI-FOCAL
>BEHAVIOR; RECUMBENT; STERNAL; VERIFIED AT NECROPSY: NOT APPLICABLE	ADRENAL, CORTEX (AC) :	ADRENAL, CORTEX (AC) :
	-MOTTLED; BILATERAL: DARK RED AND TAN	-VACUOLATION,-SLIGHT, FOCAL
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE		LUNG (LU) :
		-INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL, FOCAL
		-MINERALIZATION, VASCULAR,-MINIMAL, FOCAL
		HEART (HT) :
		-DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90749 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/03/99 STUDY DAY OF DEATH: 647 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 427.3 GRAMS
DATE AND TIME OF NECROPSY: 11/03/99 8:09 PROSECTOR: CHANESTA ACKER RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 8 X 5 X 4 MM, RED, TAN AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE, MULTI-FOCAL
	SEMINAL VESICLES (SV) : -SMALL; BILATERAL: EACH IS 17 X 9 X 3 MM	SEMINAL VESICLES (SV) : >UNREMARKABLE
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	MAMMARY, MALE (MM) : -CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE WHITE, CREAMY SEMIFLUID FILLED CYSTS, UP TO 2 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION	MAMMARY, MALE (MM) : -GALACTOCELE,-MODERATE, MULTI-FOCAL
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; BOTH REGIONS: DRY, YELLOW MATERIAL -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY, RED MATERIAL -STAINS - SKIN/HAIRCOAT; ENTIRE HEAD: DRY, RED MATERIAL -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90749 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/03/99 STUDY DAY OF DEATH: 647 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 427.3 GRAMS
DATE AND TIME OF NECROPSY: 11/03/99 8:09 PROSECTOR: CHANESTA ACKER RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90750 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 819.4 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 8:42 PROSECTOR: GREGORY CODDINGTON RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAWS-HIND; VERIFIED AT NECROPSY: OBSERVED >WART LIKE LESION(S); DORSAL; WEEK 105; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); LEFT LATERAL LOBE: MULTIPLE DARK RED AREAS, UP TO 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION	LIVER (LI) : -DEGENERATION, CYSTIC,-MINIMAL, FOCAL -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL -VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL PANCREAS (PA) : -ATROPHY, ACINAR,-SLIGHT, MULTI-FOCAL ADRENAL, CORTEX (AC) : -HYPERPLASIA, CORTICAL,-SLIGHT, MULTI-FOCAL -VACUOLATION,-MINIMAL, MULTI-FOCAL
	LN, MESENTERIC (MS) : -LARGE; UP TO 15 MM IN DIAMETER -DIFFUSELY RED; CAUDAL END	LN, MESENTERIC (MS) : -NECROSIS,-MODERATE, MULTI-FOCAL -M-HEMANGIOSARCOMA,-NEOPLASM PRESENT TESTIS (TE) : -B-INTERSTITIAL CELL TUMOR,-NEOPLASM PRESENT LUNG (LU) : -INFLAMMATION, CHRONIC,-MINIMAL, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL, FOCAL PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	SKIN (SK) : -RAISED AREA(S); DORSAL THORACIC REGION: SINGLE DARK RED AND DRY AREA, 7 X 4 X 4 MM (CAP 23)	SKIN (SK) : -CYST, EPIDERMAL INCLUSION,-PRESENT
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL, MULTI-FOCAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, LUMBAR/ILIAC (LM) : -LARGE; BILATERAL: EACH IS UP TO 12 X 8 X 6 MM (CAP 22) FOOT/FOOTPAD(S) (FP) : -ABRASION(S)/ULCERATION(S); BILATERAL, HINDFEET: SINGLE DARK RED AND TAN ABRADED AREA ON EACH, LEFT IS 5 MM IN DIAMETER, RIGHT IS 4 MM IN DIAMETER; BOTH COLLECTED >NOTE:>TRIMMING COMMENT: MISSING FROM WET TISSUE AT TRIMMING GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	LN, LUMBAR/ILIAC (LM) : -DILATATION, SINUSOIDAL,-MODERATE, MULTI-FOCAL FOOT/FOOTPAD(S) (FP) : >TISSUE MISSING

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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DATE AND TIME OF NECROPSY: 01/26/00 8:42 PROSECTOR: GREGORY CODDINGTON RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), ADRENAL, MEDULLA (MA), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90751 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 708.0 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 11:05 PROSECTOR: GREGORY CODDINGTON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0360	.0051 %	.0162	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0279	.0039 %	.0125	WEIGHT TAKEN
BRAIN (BR)	2.2280	.3147 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	2.2013	.3109 %	.9880	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	2.2651	.3199 %	1.0167	WEIGHT TAKEN
LIVER (LI)	21.2216	2.9974 %	9.5250	WEIGHT TAKEN
LUNG (LU)	2.4259	.3426 %	1.0888	WEIGHT TAKEN
SPLEEN (SP)	1.1535	.1629 %	.5177	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.4942	.2110 %	.6706	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.5043	.2125 %	.6752	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0167	.0024 %	.0075	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0196	.0028 %	.0088	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

KIDNEY (KD) :
-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
PANCREAS (PA) :
-ATROPHY, ACINAR,-MINIMAL, FOCAL
LUNG (LU) :
-INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL, FOCAL
-MINERALIZATION, VASCULAR,-MINIMAL, FOCAL
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90752 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 763.5 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 11:53 PROSECTOR: JODI THIEREN RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0389	.0051 %	.0150	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0389	.0051 %	.0150	WEIGHT TAKEN
BRAIN (BR)	2.5855	.3386 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	2.6228	.3435 %	1.0144	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	2.5076	.3284 %	.9699	WEIGHT TAKEN
LIVER (LI)	21.9195	2.8709 %	8.4779	WEIGHT TAKEN
LUNG (LU)	2.2547	.2953 %	.8721	WEIGHT TAKEN
SPLEEN (SP)	.9130	.1196 %	.3531	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.5675	.2053 %	.6063	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.5833	.2074 %	.6124	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0157	.0021 %	.0061	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0185	.0024 %	.0072	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL
	ADRENAL, CORTEX (AC) : -DARK FOCUS(I)/AREA(S); BILATERAL: TWO DARK BROWN FOCI ON EACH, ALL ARE 1 MM IN DIAMETER	ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-MINIMAL, FOCAL -VACUOLATION,-MINIMAL, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT PROSTATE (PR) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90753 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 345.7 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 8:20 PROSECTOR: DONIA MEYER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	10.4324	3.0178 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RIGHT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LEFT THYROID/PAR (TT0)	--------	--------	--------	NOT TAKEN
RIGHT THYROID/PR (TT1)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90753 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 345.7 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 8:20 PROSECTOR: DONIA MEYER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90754 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 789.6 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 11:33 PROSECTOR: GREGORY CODDINGTON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0315	.0040 %	.0124	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0301	.0038 %	.0119	WEIGHT TAKEN
BRAIN (BR)	2.5326	.3207 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	2.4118	.3054 %	.9523	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	2.4771	.3137 %	.9781	WEIGHT TAKEN
LIVER (LI)	20.9861	2.6578 %	8.2864	WEIGHT TAKEN
LUNG (LU)	2.1265	.2693 %	.8397	WEIGHT TAKEN
SPLEEN (SP)	1.0063	.1274 %	.3973	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.7176	.2175 %	.6782	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.7539	.2221 %	.6925	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0179	.0023 %	.0071	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0257	.0033 %	.0101	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

LN, MANDIBULAR (MN) :
-DIFFUSELY RED; BILATERAL: DARK RED;
COLLECTED
GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-
MINIMAL, MULTI-FOCAL
PARATHYROID (PT) :
-HYPERPLASIA,-SLIGHT, DIFFUSE
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT
LN, MANDIBULAR (MN) :
-HEMORRHAGE,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90754 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 789.6 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 11:33 PROSECTOR: GREGORY CODDINGTON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90755 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/21/99 STUDY DAY OF DEATH: 695 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/21/99 13:33 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MODERATE, FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
	KIDNEY (KD) : -LARGE PELVIS(ES); BILATERAL -ROUGH SURFACE, DIFFUSE; BILATERAL	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SEVERE, DIFFUSE ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT, FOCAL -DEGENERATION, CYSTIC, CORTICAL,-SLIGHT, FOCAL -HEMORRHAGE,-SLIGHT, FOCAL -PIGMENT,-MODERATE, MULTI-FOCAL ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,- 2 NEOPLASMS PRESENT HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90755 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/21/99 STUDY DAY OF DEATH: 695 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/21/99 13:33 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 9 X 8 X 6 MM, DARK RED, GRAY, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		PROSTATE (PR) : -INFLAMMATION, ACUTE,-MODERATE, MULTI-FOCAL
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	FOOT/FOOTPAD(S) (FP) : -ABRASION(S)/ULCERATION(S); LEFT HIND FOOT: SINGLE TAN AND MOIST ABRADED AREA, 7 X 7 X 6 MM; COLLECTED	FOOT/FOOTPAD(S) (FP) : -EDEMA,-MODERATE, FOCAL -EROSION,-MODERATELY SEVERE, FOCAL -EXOSTOSES,-MODERATE, FOCAL -INFLAMMATION, ACUTE,-MODERATELY SEVERE, FOCAL
	GENERAL COMMENT (GC) : -ANIMAL OBESE	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90755 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/21/99 STUDY DAY OF DEATH: 695 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/21/99 13:33 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90756 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 03/20/98 STUDY DAY OF DEATH: 54 STUDY WEEK OF DEATH: 8 TERMINAL BODY WEIGHT: 386.2 GRAMS
DATE AND TIME OF NECROPSY: 03/20/98 11:00 PROSECTOR: WENDY CHERRY RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TERRI L. WILLIAMS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0348	.0090 %	.0161	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0326	.0084 %	.0150	WEIGHT TAKEN
BRAIN (BR)	2.1666	.5610 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.3350	.3457 %	.6162	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.2983	.3362 %	.5992	WEIGHT TAKEN
LIVER (LI)	8.8391	2.2887 %	4.0797	WEIGHT TAKEN
LUNG (LU)	1.3439	.3480 %	.6203	WEIGHT TAKEN
SPLEEN (SP)	.4973	.1288 %	.2295	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.3216	.3422 %	.6100	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.3094	.3390 %	.6044	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0002	.0001 %	.0001	EXCLUDE
RIGHT THYROID/PR (TT1)	.0052	.0013 %	.0024	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

LUNG (LU) :
-MOTTLED; TRIMMING COMMENT: LEFT LOBE CRANIAL HALF: RED AND TAN

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

LIVER (LI) :
-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
LN, MESENTERIC (MS) :
-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
LUNG (LU) :
>NOT REQUIRED TO BE EXAMINED FOR ANIMAL

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90756 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 03/20/98 STUDY DAY OF DEATH: 54 STUDY WEEK OF DEATH: 8 TERMINAL BODY WEIGHT: 386.2 GRAMS
DATE AND TIME OF NECROPSY: 03/20/98 11:00 PROSECTOR: WENDY CHERRY RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TERRI L. WILLIAMS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), TESTIS (TE), DUODENUM (DU)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90757 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/28/99 STUDY DAY OF DEATH: 488 STUDY WEEK OF DEATH: 70 TERMINAL BODY WEIGHT: 659.6 GRAMS
DATE AND TIME OF NECROPSY: 05/28/99 7:36 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) :	BRAIN (BR) :
>APPEARANCE; SWOLLEN; LIMB-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>RESPIRATION; AUDIBLE; VERIFIED AT NECROPSY: NOT APPLICABLE		-DILATATION, VENTRICULAR,-PRESENT
>BEHAVIOR; RECUMBENT; LATERAL; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) :
>SKIN & PELAGE; RED HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED		-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
		-VACUOLATION, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL
		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
		-PYELONEPHRITIS,-MODERATE, MULTI-FOCAL
		PANCREAS (PA) :
		-ATROPHY, ACINAR,-SLIGHT, MULTI-FOCAL
		ADRENAL, CORTEX (AC) :
		-ANGIECTASIS,-MINIMAL, MULTI-FOCAL
		-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
	TESTIS (TE) :	TESTIS (TE) :
	-SMALL; LEFT: 13 X 9 X 7 MM (FOR COMPARISON, RIGHT IS 21 X 15 X 9 MM); LEFT IS SOFT	-ATROPHY/DEGENERATION,-SEVERE, DIFFUSE
		THYROID (TY) :
		-HEMORRHAGE,-MODERATE, MULTI-FOCAL
		PITUITARY (PI) :
		-HEMORRHAGE,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90757 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
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DATE AND TIME OF NECROPSY: 05/28/99 7:36 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 12 X 9 X 8 MM, RED ,DARK RED, GREY, TAN, LOBULATED AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -RED FOCUS(I)/AREA(S); MUCOSA: MULTIPLE RED AND DARK RED AREAS, UP TO 3 X 2 MM -THICKENED WALL; MUCOSA	STOMACH, GL (ST) : >UNREMARKABLE
	STOMACH, NONGL (SU) : -THICKENED WALL; MUCOSA	STOMACH, NONGL (SU) : -EDEMA,-MODERATE, FOCAL -EROSION,-MODERATELY SEVERE, FOCAL -INFLAMMATION, ACUTE,-MODERATE, FOCAL
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE, MULTI-FOCAL
	EPIDIDYMIDES (EP) : -SMALL; LEFT: 31 X 5 X 4 MM (FOR COMPARISON, RIGHT IS 51 X 8 X 7 MM)	EPIDIDYMIDES (EP) : >UNREMARKABLE
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	JOINT, OTHER (JT) : -LARGE; LEFT TARSAL AND METATARSAL: TARSAL IS 14 X 12 X 11 MM, METATARSAL IS 15 X 13 X 8 MM; TISSUE SURROUNDING BOTH APPEARS SWOLLEN; BOTH COLLECTED	JOINT, OTHER (JT) : -DISLOCATION,-PRESENT -EDEMA,-MODERATE, MULTI-FOCAL -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -INFLAMMATION, CHRONIC-ACTIVE, SYNOVIAL,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90757 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/28/99 STUDY DAY OF DEATH: 488 STUDY WEEK OF DEATH: 70 TERMINAL BODY WEIGHT: 659.6 GRAMS
DATE AND TIME OF NECROPSY: 05/28/99 7:36 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; BOTH REGIONS, EXTENDING TO ABDOMINAL REGION: DRY, RED MATERIAL -BLOOD FILM TAKEN	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90758 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 707.4 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 10:37 PROSECTOR: JODI THIEREN RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; SWOLLEN; PAW-HIND-LEFT; VERIFIED AT NECROPSY: NOT OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); DIAPHRAGMATIC SURFACE OF LEFT LATERAL LOBE: SINGLE RED AREA, 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION	LIVER (LI) : -DEGENERATION, CYSTIC,-MINIMAL, FOCAL -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-SLIGHT, FOCAL
		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT, MULTI-FOCAL
	PANCREAS (PA) : -LARGE VESSELS; DIFFUSE: UP TO 3 MM IN DIAMETER (CAP 22)	PANCREAS (PA) : -HYPERTROPHY, VASCULAR,-MODERATE, MULTI-FOCAL -INFLAMMATION, VASCULAR,-SLIGHT, MULTI-FOCAL -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT
		ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -VACUOLATION,-SLIGHT, MULTI-FOCAL
		RECTUM (RE) : -PARASITISM,-PRESENT
	PROSTATE (PR) : -NODULAR; PROXIMAL, SURROUNDING URETHRA: GREEN AND FIRM	PROSTATE (PR) : >UNREMARKABLE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90758 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 707.4 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 10:37 PROSECTOR: JODI THIEREN RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90758 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 707.4 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 10:37 PROSECTOR: JODI THIEREN RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90759 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/14/99 STUDY DAY OF DEATH: 597 STUDY WEEK OF DEATH: 86 TERMINAL BODY WEIGHT: 332.4 GRAMS
DATE AND TIME OF NECROPSY: 09/14/99 10:50 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) :	BRAIN (BR) :
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) :	-DILATATION, VENTRICULAR,-PRESENT
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: NOT OBSERVED	-MOTTLED; ALL LOBES: BROWN AND DARK RED	LIVER (LI) :
		-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
		-NECROSIS, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL
		KIDNEY (KD) :
		-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
		ADRENAL, CORTEX (AC) :
		-VACUOLATION,-MINIMAL, FOCAL
		LUNG (LU) :
		-INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT, MULTI-FOCAL
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 10 X 10 X 9 MM, RED, DARK RED, TAN, GREY AND SOFT	-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
	PROSTATE (PR) :	PROSTATE (PR) :
	-NODULAR; PROXIMAL, SURROUNDING URETHRA: GREEN AND FIRM	>UNREMARKABLE
	SEMINAL VESICLES (SV) :	SEMINAL VESICLES (SV) :
	-LARGE; LEFT: 30 X 15 X 7 MM (RIGHT IS 20 X 10 X 5 MM)	>UNREMARKABLE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90759 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	MAMMARY, MALE (MM) : -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN	MAMMARY, MALE (MM) : -GALACTOCELE,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90760 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 09/10/99 STUDY DAY OF DEATH: 593 STUDY WEEK OF DEATH: 85 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 09/10/99 10:15 PROSECTOR: TONY HANFELD RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAWS-HIND; VERIFIED AT NECROPSY: OBSERVED >EYES; DISCOLORED/LIGHT RED; EYE-LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE >SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE	KIDNEY (KD) : -LARGE PELVIS(ES); BILATERAL -CALCULUS(I); RIGHT, WITHIN PELVIS: MULTIPLE TAN AND FIRM CALCULI, UP TO 10 X 6 X 5 MM -GRANULAR MATERIAL; LEFT, WITHIN PELVIS: MULTIPLE TAN PINPOINT GRANULES -LARGE; BILATERAL: EACH IS 35 X 24 X 16 MM -ADHESION(S); RIGHT, CORTICAL SURFACE TO RIGHT LATERAL AND CAUDATE LOBES OF LIVER: MULTIPLE GREY FIBROUS ADHESIONS; COLLECTED INTACT	EYE (EY) : -INFLAMMATION, ACUTE,-SLIGHT, MULTI-FOCAL KIDNEY (KD) : -DILATATION, PELVIC,-PRESENT -MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL -NECROSIS, PAPILLARY,-SEVERE, DIFFUSE -PYELONEPHRITIS,-SEVERE, MULTI-FOCAL ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-SLIGHT, MULTI-FOCAL -VACUOLATION,-SLIGHT, FOCAL ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,- 2 NEOPLASMS PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90760 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 09/10/99 STUDY DAY OF DEATH: 593 STUDY WEEK OF DEATH: 85 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 09/10/99 10:15 PROSECTOR: TONY HANFELD RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MODERATE, MULTI-FOCAL HEART (HT) : -DEGENERATION/NECROSIS,-SLIGHT, MULTI-FOCAL -FIBROSIS,-MINIMAL, MULTI-FOCAL
	PITUITARY (PI) : -MASS(ES); LEFT POSTERIOR ASPECT: SINGLE MASS, 3 MM IN DIAMETER, RED, DARK RED AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN AREAS, PINPOINT AND UP TO 1 MM	STOMACH, GL (ST) : -EROSION,-MINIMAL, MULTI-FOCAL
	URINARY BLADDER (UB) : -THICKENED WALL; PROXIMAL END: TAN AND FIRM -CALCULUS(I); WITHIN LUMEN: MULTIPLE TAN CALCULI, UP TO 7 MM IN DIAMETER	URINARY BLADDER (UB) : -INFLAMMATION, ACUTE,-SLIGHT, MULTI-FOCAL
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SEVERE, MULTI-FOCAL
	SEMINAL VESICLES (SV) : -SMALL; BILATERAL: EACH IS 12 X 8 X 2 MM	SEMINAL VESICLES (SV) : >UNREMARKABLE
		EPIDIDYMIDES (EP) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90760 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 09/10/99 STUDY DAY OF DEATH: 593 STUDY WEEK OF DEATH: 85 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 09/10/99 10:15 PROSECTOR: TONY HANFELD RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAUSE OF DEATH (CD) : -PYELONEPHRITIS,-PRESENT
	LN, LUMBAR/ILIAC (LM) : -LARGE; LEFT: UP TO 20 X 15 X 4 MM (RIGHT IS NOT IDENTIFIED) (CAP 23)	LN, LUMBAR/ILIAC (LM) : -DILATATION, SINUSOIDAL,-MODERATE, MULTI-FOCAL
	LN, RENAL (RL) : -LARGE; LEFT: 10 X 10 X 6 MM (RIGHT IS NOT IDENTIFIED) (CAP 22)	LN, RENAL (RL) : >TISSUE MISSING >NOTE:>RENAL LYMPH NODE DESCRIBED GROSSLY WAS ADIPOSE TISSUE
	FOOT/FOOTPAD(S) (FP) : -CRUSTED AREA(S); BILATERAL, HINDFEET: SINGLE DARK RED CRUSTED AREA ON EACH, LEFT IS 12 X 10 MM, RIGHT IS 17 X 12 MM; BOTH COLLECTED	FOOT/FOOTPAD(S) (FP) : -EROSION,-SEVERE, MULTI-FOCAL -EXOSTOSES,-MODERATELY SEVERE, MULTI-FOCAL -INFLAMMATION, ACUTE,-MODERATELY SEVERE, MULTI-FOCAL
		ADIPOSE TISSUE (AT) : -INFLAMMATION, CHRONIC ACTIVE,-MODERATELY SEVERE, MULTI-FOCAL
	GENERAL COMMENT (GC) : -URINARY BLADDER-LARGE LUMEN; UP TO 30 MM IN DIAMETER; FILLED WITH A DARK BROWN FLUID	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90760 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 09/10/99 STUDY DAY OF DEATH: 593 STUDY WEEK OF DEATH: 85 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 09/10/99 10:15 PROSECTOR: TONY HANFELD RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), PROSTATE (PR), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90761 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/18/99 STUDY DAY OF DEATH: 662 STUDY WEEK OF DEATH: 95 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/18/99 13:40 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		THYMUS (TH) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL -FIBROSIS,-SLIGHT, FOCAL
	PITUITARY (PI) : -MASS(ES); 6 X 4 X 3 MM, RED, GREY, TAN AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL JEJUNUM (JE) : >AUTOLYTIC ILEUM (IL) : >AUTOLYTIC RECTUM (RE) : -PARASITISM,-PRESENT PROSTATE (PR) : -INFLAMMATION, ACUTE,-SLIGHT, MULTI-FOCAL CAUSE OF DEATH (CD) : -UNDETERMINED,-PRESENT
	GENERAL COMMENT (GC) : -ANIMAL OBESE	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 11/18/99 13:40 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), CECUM (CE), COLON (CO), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90762 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 07/27/99 STUDY DAY OF DEATH: 548 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 07/27/99 8:12 PROSECTOR: LYNN HORNER RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAWS-HIND; VERIFIED AT NECROPSY: OBSERVED		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL JEJUNUM (JE) : >AUTOLYTIC ILEUM (IL) : >AUTOLYTIC CAUSE OF DEATH (CD) : -UNDETERMINED,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: DARK RED; COLLECTED	LN, MANDIBULAR (MN) : >UNREMARKABLE
	FOOT/FOOTPAD(S) (FP) : -ABRASION(S)/ULCERATION(S); BILATERAL, HINDFEET: SINGLE DRY DARK RED ABRADED AREA ON EACH, RIGHT IS 8 X 6 MM, LEFT IS 5 X 4 MM; BOTH COLLECTED	FOOT/FOOTPAD(S) (FP) : -FIBROSIS,-SEVERE, MULTI-FOCAL -INFLAMMATION, ACUTE,-SLIGHT, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 07/27/99 8:12 PROSECTOR: LYNN HORNER RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90763 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/21/99 STUDY DAY OF DEATH: 604 STUDY WEEK OF DEATH: 87 TERMINAL BODY WEIGHT: 628.5 GRAMS
DATE AND TIME OF NECROPSY: 09/21/99 11:45 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>EYES; RED DISCHARGE; EYE-LEFT;
VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; RED HAIR COAT; HEAD-
MAXILLARY-LEFT; VERIFIED AT NECROPSY:
NOT OBSERVED
>APPEARANCE; LIMITED USE; LIMBS-HIND;
VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; LIMITED USE; LIMBS-FRONT;
VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; ATAXIC; VERIFIED AT
NECROPSY: NOT APPLICABLE

NECROPSY

KIDNEY (KD) :
-LARGE PELVIS(ES); BILATERAL

HISTOPATHOLOGY

LIVER (LI) :
-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-
FOCAL
KIDNEY (KD) :
-CAST, PROTEINACEOUS,-MINIMAL, MULTI-
FOCAL
-DILATATION, PELVIC,-PRESENT
-MINERALIZATION, PELVIC,-SLIGHT, MULTI-
FOCAL
ADRENAL, CORTEX (AC) :
-DEGENERATION, CYSTIC, CORTICAL,-
SLIGHT, FOCAL
-HEMORRHAGE,-MINIMAL, FOCAL
THYMUS (TH) :
-CYST,-PRESENT
-HEMORRHAGE,-MINIMAL, FOCAL
HEART (HT) :
-DEGENERATION/NECROSIS,-MINIMAL, MULTI-
FOCAL
-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-
FOCAL
MUSCLE, SKELETAL (SM) :
-DEGENERATION/NECROSIS,-MODERATE, MULTI-
FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 09/21/99 11:45 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT CAUSE OF DEATH (CD) : -UNDETERMINED,-PRESENT
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; MOIST YELLOW MATERIAL -BLOOD FILM TAKEN -DISCHARGE-OCULAR; LEFT: DRY RED MATERIAL -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 09/21/99 11:45 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90764 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 09/04/99 STUDY DAY OF DEATH: 587 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 09/04/99 10:28 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 84; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,- MINIMAL, MULTI-FOCAL PANCREAS (PA) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,- 2 NEOPLASMS PRESENT THYMUS (TH) : -CYST,-PRESENT -HEMORRHAGE,-MINIMAL, MULTI-FOCAL PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT SKIN (SK) : -B-KERATOACANTHOMA,-NEOPLASM PRESENT CAUSE OF DEATH (CD) : -UNDETERMINED,-PRESENT
	MAMMARY, MALE (MM) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 10 X 8 X 4 MM, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 21)	MAMMARY, MALE (MM) : >TISSUE MISSING >NOTE:>MAMMARY MASS DESCRIBED GROSSLY WAS A SUBCUTANEOUS KERATOACANTHOMA

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90764 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 09/04/99 STUDY DAY OF DEATH: 587 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 09/04/99 10:28 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), ADRENAL, CORTEX (AC), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90765 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 888.7 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 9:59 PROSECTOR: JODI THIEREN RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 2 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : -DEGENERATION, CYSTIC,-MODERATELY SEVERE, MULTI-FOCAL -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MODERATE, FOCAL -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -INFLAMMATION, ACUTE,-MINIMAL, FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL PANCREAS (PA) : -ATROPHY, ACINAR,-MINIMAL, MULTI-FOCAL -INFILTRATE, EOSINOPHILS,-MODERATE, MULTI-FOCAL -INFLAMMATION, CHRONIC,-SLIGHT, MULTI-FOCAL ADRENAL, CORTEX (AC) : -VACUOLATION,-SLIGHT, MULTI-FOCAL LN, MESENTERIC (MS) : -THROMBUS,-SLIGHT, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90765 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 888.7 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 9:59 PROSECTOR: JODI THIEREN RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LUNG (LU) : -FIBROSIS, PLEURAL/SUBPLEURAL,-MODERATE, MULTI-FOCAL -HEMORRHAGE,-MODERATE, FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL, FOCAL
	PITUITARY (PI) : -DARK FOCUS(I)/AREA(S); RIGHT ANTERIOR ASPECT: SINGLE DARK BROWN AREA, 2 MM IN DIAMETER	PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		URINARY BLADDER (UB) : -B-PAPILLOMA, TRANSITIONAL CELL,-NEOPLASM PRESENT PROSTATE (PR) : -INFLAMMATION, ACUTE,-SLIGHT, MULTI-FOCAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90765 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 888.7 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 9:59 PROSECTOR: JODI THIEREN RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90766 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/10/99 STUDY DAY OF DEATH: 440 STUDY WEEK OF DEATH: 63 TERMINAL BODY WEIGHT: 601.8 GRAMS
DATE AND TIME OF NECROPSY: 04/10/99 14:02 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE
>RESPIRATION; AUDIBLE; VERIFIED AT NECROPSY: NOT APPLICABLE
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE
>RESPIRATION; IRREGULAR; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; COLD TO TOUCH; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

PITUITARY (PI) :
-MASS(ES); 10 X 9 X 9 MM, RED, DARK RED, GRAY, TAN AND SOFT

GENERAL COMMENT (GC) :
-DISCHARGE-ORAL; DRY, RED MATERIAL
-BLOOD FILM TAKEN

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
-DILATATION, VENTRICULAR,-PRESENT
KIDNEY (KD) :
-CAST, PROTEINACEOUS,-SLIGHT, MULTI-FOCAL
LUNG (LU) :
-INFLAMMATION, ACUTE,-MODERATE, MULTI-FOCAL
THYROID (TY) :
-CYST, ULTIMOBRANCHIAL,-PRESENT
-B-ADENOMA, C-CELL,-NEOPLASM PRESENT
PITUITARY (PI) :
-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
-B-ADENOMA,-NEOPLASM PRESENT
PROSTATE (PR) :
-INFLAMMATION, CHRONIC,-MINIMAL, FOCAL
CAUSE OF DEATH (CD) :
-PITUITARY ADENOMA,-PRESENT
MAMMARY, MALE (MM) :
-GALACTOCELE,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90766 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/10/99 STUDY DAY OF DEATH: 440 STUDY WEEK OF DEATH: 63 TERMINAL BODY WEIGHT: 601.8 GRAMS
DATE AND TIME OF NECROPSY: 04/10/99 14:02 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -DISCHARGE-OCULAR; BILATERAL: DRY, RED MATERIAL	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90767 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 710.8 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 10:34 PROSECTOR: JODI THIEREN RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0366	.0051 %	.0160	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0340	.0048 %	.0149	WEIGHT TAKEN
BRAIN (BR)	2.2806	.3208 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	2.1832	.3071 %	.9573	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	2.2020	.3098 %	.9655	WEIGHT TAKEN
LIVER (LI)	22.1916	3.1221 %	9.7306	WEIGHT TAKEN
LUNG (LU)	1.7726	.2494 %	.7773	WEIGHT TAKEN
SPLEEN (SP)	.9195	.1294 %	.4032	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.7098	.2405 %	.7497	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.6666	.2345 %	.7308	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0146	.0021 %	.0064	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0173	.0024 %	.0076	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
ADRENAL, CORTEX (AC) :
-DEGENERATION, CYSTIC, CORTICAL,-MINIMAL, FOCAL
-HEMORRHAGE,-SLIGHT, FOCAL
PITUITARY (PI) :
-B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90767 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 710.8 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 10:34 PROSECTOR: JODI THIEREN RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BLOOD FILM TAKEN
-BONE MARROW SMEAR TAKEN
GENERAL INFORMATION (XX) :
>NOTE:>ANIMAL IDENTIFICATION
TRANSPONDER DAMAGED AT NECROPSY

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90767 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 710.8 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 10:34 PROSECTOR: JODI THIEREN RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90768 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 457.8 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 11:25 PROSECTOR: DONIA MEYER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0276	.0060 %	.0124	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0281	.0061 %	.0127	WEIGHT TAKEN
BRAIN (BR)	2.2186	.4846 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.7442	.3810 %	.7862	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.7623	.3849 %	.7943	WEIGHT TAKEN
LIVER (LI)	12.7081	2.7759 %	5.7280	WEIGHT TAKEN
LUNG (LU)	1.7101	.3735 %	.7708	WEIGHT TAKEN
SPLEEN (SP)	.4316	.0943 %	.1945	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.9313	.4219 %	.8705	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.8487	.4038 %	.8333	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0103	.0022 %	.0046	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0109	.0024 %	.0049	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

KIDNEY (KD) :
-LARGE PELVIS(ES); BILATERAL

HISTOPATHOLOGY

LIVER (LI) :
-INFLAMMATION, CHRONIC,-SLIGHT, FOCAL
KIDNEY (KD) :
-DILATATION, PELVIC,-PRESENT
-HYPERPLASIA, TRANSITIONAL CELL,-
MINIMAL, MULTI-FOCAL
-PYELONEPHRITIS,-MINIMAL, MULTI-FOCAL
ADRENAL, CORTEX (AC) :
-VACUOLATION,-MINIMAL, MULTI-FOCAL
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT
LN, MANDIBULAR (MN) :
>NOT REQUIRED TO BE EXAMINED FOR ANIMAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90768 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 457.8 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 11:25 PROSECTOR: DONIA MEYER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: DARK RED (CAP 21) GENERAL COMMENT (GC) : -BONE MARROW SMEAR TAKEN	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90769 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 03/20/98 STUDY DAY OF DEATH: 54 STUDY WEEK OF DEATH: 8 TERMINAL BODY WEIGHT: 460.2 GRAMS
DATE AND TIME OF NECROPSY: 03/20/98 8:41 PROSECTOR: DONIA MEYER RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TERRI L. WILLIAMS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0272	.0059 %	.0123	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0247	.0054 %	.0112	WEIGHT TAKEN
BRAIN (BR)	2.2138	.4811 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.4498	.3150 %	.6549	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.4769	.3209 %	.6671	WEIGHT TAKEN
LIVER (LI)	12.3579	2.6853 %	5.5822	WEIGHT TAKEN
LUNG (LU)	1.6728	.3635 %	.7556	WEIGHT TAKEN
SPLEEN (SP)	.7676	.1668 %	.3467	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.5958	.3468 %	.7208	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.5866	.3448 %	.7167	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0133	.0029 %	.0060	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0154	.0033 %	.0070	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

KIDNEY (KD) :
-CYST,-MINIMAL, FOCAL
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90769 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 03/20/98 STUDY DAY OF DEATH: 54 STUDY WEEK OF DEATH: 8 TERMINAL BODY WEIGHT: 460.2 GRAMS
DATE AND TIME OF NECROPSY: 03/20/98 8:41 PROSECTOR: DONIA MEYER RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TERRI L. WILLIAMS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90770 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/27/99 STUDY DAY OF DEATH: 640 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: 379.4 GRAMS
DATE AND TIME OF NECROPSY: 10/27/99 15:10 PROSECTOR: JOHN S. HALFORD RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: NOT OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT, MULTI-FOCAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		PANCREAS (PA) : -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE		ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL
	LN, MESENTERIC (MS) : -SMALL; UP TO 3 MM IN DIAMETER	LN, MESENTERIC (MS) : >UNREMARKABLE
	THYMUS (TH) : -MISSING/NOT IDENTIFIED; NOT POSITIVELY IDENTIFIED; POSSIBLE REMNANTS COLLECTED	THYMUS (TH) : >UNREMARKABLE
		THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
		PITUITARY (PI) : -HEMORRHAGE,-SEVERE, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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DATE AND TIME OF NECROPSY: 10/27/99 15:10 PROSECTOR: JOHN S. HALFORD RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 14 X 8 X 8 MM, RED, DARK RED, GRAY, LOBULATED, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
	STOMACH, GL (ST) : -EROSION/ULCERATION; MUCOSA, SURROUNDING PYLORIC VALVE: MULTIPLE TAN, AND SLIGHTLY ERODED AREAS, UP TO 2 X 1 MM	STOMACH, GL (ST) : >UNREMARKABLE
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: MULTIPLE TAN ERODED AREAS, UP TO 3 X 1 MM	STOMACH, NONGL (SU) : -EDEMA,-SLIGHT, FOCAL -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, FOCAL -ULCERATION,-MODERATE, FOCAL
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL
		SEMINAL VESICLES (SV) : -SECRETION, INCREASED,-PRESENT
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -STAINS - SKIN/HAIRCOAT; ENTIRE VENTRAL ABDOMINAL REGION: DRY BROWN MATERIAL -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE OF DEATH: 10/27/99 STUDY DAY OF DEATH: 640 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: 379.4 GRAMS
DATE AND TIME OF NECROPSY: 10/27/99 15:10 PROSECTOR: JOHN S. HALFORD RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90771 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/11/99 STUDY DAY OF DEATH: 655 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 439.3 GRAMS
DATE AND TIME OF NECROPSY: 11/11/99 7:16 PROSECTOR: CHANESTA ACKER RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED		-DILATATION, VENTRICULAR,-PRESENT
		LIVER (LI) :
>DISCHARGE; NASAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED		-DEGENERATION, CYSTIC,-MINIMAL, FOCAL
		-FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MINIMAL, FOCAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		-HEMORRHAGE,-MINIMAL, FOCAL
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		-HYPERPLASIA, BILE DUCT,-SLIGHT, MULTI-FOCAL
>BEHAVIOR; RECUMBENT; LATERAL; VERIFIED AT NECROPSY: NOT APPLICABLE		-VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL
	KIDNEY (KD) :	KIDNEY (KD) :
	-DEPRESSED FOCUS(I)/AREA(S); RIGHT, CORTICAL SURFACE: SINGLE DARK BROWN DEPRESSED AREA, 3 X 2 MM	-INFARCT,-MINIMAL, MULTI-FOCAL
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL
		ADRENAL, CORTEX (AC) :
		-ANGIECTASIS,-SLIGHT, FOCAL
		THYMUS (TH) :
		-CYST,-PRESENT
		THYROID (TY) :
		-INFLAMMATION, GRANULOMATOUS,-MODERATE, FOCAL
		-B-ADENOMA, C-CELL,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE OF DEATH: 11/11/99 STUDY DAY OF DEATH: 655 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 439.3 GRAMS
DATE AND TIME OF NECROPSY: 11/11/99 7:16 PROSECTOR: CHANESTA ACKER RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 12 X 8 X 5 MM, DARK RED, TAN, LOBULATED AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
		STOMACH, NONGL (SU) : -EDEMA,-MODERATE, FOCAL
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE, MULTI-FOCAL
	SEMINAL VESICLES (SV) : -SMALL; LEFT: 16 X 8 X 3 MM (RIGHT IS 21 X 11 X 5 MM)	SEMINAL VESICLES (SV) : >UNREMARKABLE
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	MAMMARY, MALE (MM) : -CYST(S); BILATERAL PECTORAL REGIONS AND RIGHT INGUINAL REGION: MULTIPLE WHITE, CREAMY SEMIFLUID FILLED CYSTS, UP TO 3 MM IN DIAMETER (CAP 22)	MAMMARY, MALE (MM) : -GALACTOCELE,-MODERATE, MULTI-FOCAL
	FOOT/FOOTPAD(S) (FP) : -CRUSTED AREA(S); LEFT HINDFOOT: SINGLE DRY, DARK RED CRUSTED AREA, 8 X 5 MM; COLLECTED	FOOT/FOOTPAD(S) (FP) : -EROSION,-MODERATE, FOCAL -FIBROSIS,-MODERATE, FOCAL -INFLAMMATION, ACUTE,-MODERATE, FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY, RED MATERIAL	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 11/11/99 7:16 PROSECTOR: CHANESTA ACKER RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS | NECROPSY | HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-DISCHARGE-NASAL; DRY, RED MATERIAL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90772 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/29/99 STUDY DAY OF DEATH: 428 STUDY WEEK OF DEATH: 62 TERMINAL BODY WEIGHT: 651.7 GRAMS
DATE AND TIME OF NECROPSY: 03/29/99 11:55 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; LIMITED USE; LIMBS-HIND;
VERIFIED AT NECROPSY: NOT APPLICABLE
>EYES; RED DISCHARGE; EYES; VERIFIED AT
NECROPSY: OBSERVED
>SKIN & PELAGE; YELLOW HAIR COAT;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

LIVER (LI) :
-DIFFUSELY LIGHT; ALL LOBES: TAN
KIDNEY (KD) :
-LARGE PELVIS(ES); BILATERAL
-MOTTLED; BILATERAL: BROWN AND TAN

LUNG (LU) :
-RED FOCUS(I)/AREA(S); DORSAL SURFACE
OF LEFT LOBE: SINGLE DARK RED AREA, 6
X 22 MM

SEMINAL VESICLES (SV) :
-LARGE; BILATERAL: EACH HORN IS 8 X 14
X 32 MM
-MOTTLED; BILATERAL: TAN, YELLOW AND
RED

LN, LUMBAR/ILIAC (LM) :
-LARGE; BILATERAL LUMBAR: EACH IS 12 X
12 X 27 MM (CAP 21)

HISTOPATHOLOGY

LIVER (LI) :
>UNREMARKABLE
KIDNEY (KD) :
-DILATATION, PELVIC,-PRESENT
-NEPHROPATHY, CHRONIC PROGRESSIVE,-
MINIMAL, MULTI-FOCAL
LUNG (LU) :
>UNREMARKABLE

MUSCLE, SKELETAL (SM) :
-M-FIBROSARCOMA,-NEOPLASM PRESENT
PROSTATE (PR) :
-INFLAMMATION, CHRONIC-ACTIVE,-
MODERATELY SEVERE, MULTI-FOCAL
SEMINAL VESICLES (SV) :
-EDEMA,-MODERATE, MULTI-FOCAL
-INFLAMMATION, ACUTE,-MODERATE, MULTI-
FOCAL

CAUSE OF DEATH (CD) :
-FIBROSARCOMA,-PRESENT
LN, LUMBAR/ILIAC (LM) :
>TISSUE MISSING

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90772 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/29/99 STUDY DAY OF DEATH: 428 STUDY WEEK OF DEATH: 62 TERMINAL BODY WEIGHT: 651.7 GRAMS
DATE AND TIME OF NECROPSY: 03/29/99 11:55 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LN, LUMBAR/ILIAC (LM) : -MOTTLED; BILATERAL LUMBAR: RED AND TAN (CAP 21) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY RED MATERIAL -STAINS - SKIN/HAIRCOAT; ENTIRE VENTRAL SURFACE: DRY YELLOW MATERIAL -URINARY BLADDER-LARGE LUMEN; 20 X 20 X 32 MM, FILLED WITH A CLEAR YELLOW FLUID	LN, LUMBAR/ILIAC (LM) : >NOTE:>LUMBAR LYMPH NODE DESCRIBED GROSSLY WAS A FIBROSARCOMA OF SKELETAL MUSCLE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90772 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/29/99 STUDY DAY OF DEATH: 428 STUDY WEEK OF DEATH: 62 TERMINAL BODY WEIGHT: 651.7 GRAMS
DATE AND TIME OF NECROPSY: 03/29/99 11:55 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90773 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/25/99 STUDY DAY OF DEATH: 455 STUDY WEEK OF DEATH: 65 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/25/99 8:23 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT -HEMORRHAGE,-SLIGHT, MULTI-FOCAL KIDNEY (KD) : -CAST, PROTEINACEOUS,-SLIGHT, MULTI-FOCAL
	PITUITARY (PI) : -MASS(ES); 8 X 6 X 6 MM, RED, DARK RED, TAN AND SOFT PROSTATE (PR) : -NODULAR; PROXIMAL, NEAR URETHRA: GREEN AND FIRM	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT PROSTATE (PR) : -INFLAMMATION, ACUTE,-MODERATE, MULTI-FOCAL CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT MAMMARY, MALE (MM) : -GALACTOCELE,-MINIMAL, MULTI-FOCAL
	GENERAL COMMENT (GC) : -DISCHARGE-ORAL; RED -DISCHARGE-OCULAR; BILATERAL: RED -DISCHARGE-NASAL; BILATERAL: RED -ANIMAL OBESE -URINARY BLADDER-LARGE LUMEN; UP TO 19 MM IN DIAMETER	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90773 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/25/99 STUDY DAY OF DEATH: 455 STUDY WEEK OF DEATH: 65 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/25/99 8:23 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90774 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/09/99 STUDY DAY OF DEATH: 500 STUDY WEEK OF DEATH: 72 TERMINAL BODY WEIGHT: 402.3 GRAMS
DATE AND TIME OF NECROPSY: 06/09/99 14:00 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; RED HAIR COAT; HEAD-MAXILLARY-LEFT; VERIFIED AT NECROPSY: NOT OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>SKIN & PELAGE; RED HAIR COAT; HEAD-MAXILLARY-RIGHT; VERIFIED AT NECROPSY: NOT OBSERVED		LIVER (LI) : -INFLAMMATION, CHRONIC,-MINIMAL, FOCAL
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: NOT OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		LUNG (LU) : -EDEMA, ALVEOLAR,-SLIGHT, MULTI-FOCAL -INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT, FOCAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		THYROID (TY) : -MINERALIZATION,-MINIMAL, MULTI-FOCAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 15 X 8 X 5 MM, RED, DARK RED, TAN, LOBULATED AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-MINIMAL, FOCAL
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE, MULTI-FOCAL
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90774 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/09/99 STUDY DAY OF DEATH: 500 STUDY WEEK OF DEATH: 72 TERMINAL BODY WEIGHT: 402.3 GRAMS
DATE AND TIME OF NECROPSY: 06/09/99 14:00 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MAMMARY, MALE (MM) : -PIGMENT,-MINIMAL, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED, DRY MATERIAL -DISCHARGE-NASAL; BILATERAL: DARK RED, DRY MATERIAL -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90774 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/09/99 STUDY DAY OF DEATH: 500 STUDY WEEK OF DEATH: 72 TERMINAL BODY WEIGHT: 402.3 GRAMS
DATE AND TIME OF NECROPSY: 06/09/99 14:00 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90775 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 352.9 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 8:53 PROSECTOR: DONIA MEYER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	10.6997	3.0319 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RIGHT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LEFT THYROID/PAR (TT0)	--------	--------	--------	NOT TAKEN
RIGHT THYROID/PR (TT1)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90775 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 352.9 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 8:53 PROSECTOR: DONIA MEYER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90776 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/22/99 STUDY DAY OF DEATH: 696 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/22/99 7:59 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL -VACUOLATION, HEPATOCELLULAR,-MINIMAL, FOCAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL ADRENAL, MEDULLA (MA) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT THYMUS (TH) : >TISSUE MISSING HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL -FIBROSIS,-MINIMAL, MULTI-FOCAL
	PITUITARY (PI) : -MASS(ES); 7 X 6 X 5 MM, RED, DARK RED, TAN, AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT JEJUNUM (JE) : >AUTOLYTIC

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90776 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/22/99 STUDY DAY OF DEATH: 696 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/22/99 7:59 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ILEUM (IL) : >AUTOLYTIC PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	MAMMARY, MALE (MM) : -CYST(S); BILATERAL PECTORAL REGIONS: MULTIPLE TAN AND CREAMY SEMIFLUID FILLED CYSTS, UP TO 3 MM IN DIAMETER (CAP 22) GENERAL COMMENT (GC) : -ANIMAL OBESE	MAMMARY, MALE (MM) : -GALACTOCELE,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90776 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/22/99 STUDY DAY OF DEATH: 696 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/22/99 7:59 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90777 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/29/99 STUDY DAY OF DEATH: 612 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: 482.9 GRAMS
DATE AND TIME OF NECROPSY: 09/29/99 8:08 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED		EYE (EY) : -INFLAMMATION, ACUTE,-MINIMAL, MULTI-FOCAL
>SKIN & PELAGE; RED HAIR COAT; VENTRAL-THORACIC; VERIFIED AT NECROPSY: NOT OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: NOT OBSERVED		LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-SEVERE, DIFFUSE
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATELY SEVERE, DIFFUSE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-MODERATE, MULTI-FOCAL -VACUOLATION,-MINIMAL, MULTI-FOCAL
>EYES; PALE; EYES; VERIFIED AT NECROPSY: NOT APPLICABLE		PARATHYROID (PT) : -HYPERPLASIA,-SLIGHT, DIFFUSE
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 11 X 10 X 9 MM, RED, DARK RED, TAN, LOBULATED, AND FIRM	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90777 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/29/99 STUDY DAY OF DEATH: 612 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: 482.9 GRAMS
DATE AND TIME OF NECROPSY: 09/29/99 8:08 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN AREAS, UP TO 2 X 1 MM	STOMACH, GL (ST) : -EROSION,-MINIMAL, FOCAL
	STOMACH, NONGL (SU) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN AREAS, UP TO 2 X 1 MM	STOMACH, NONGL (SU) : -EDEMA,-MINIMAL, MULTI-FOCAL
	SEMINAL VESICLES (SV) : -LARGE; BILATERAL: EACH IS 40 X 20 X 5 MM	SEMINAL VESICLES (SV) : -SECRETION, INCREASED,-PRESENT
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	FOOT/FOOTPAD(S) (FP) : -ABRASION(S)/ULCERATION(S); LEFT HINDFOOT: SINGLE TAN, MOIST ABRADED AREA, 9 X 8 MM; COLLECTED	FOOT/FOOTPAD(S) (FP) : -EROSION,-MODERATELY SEVERE, FOCAL -INFLAMMATION, ACUTE,-MODERATE, FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90777 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/29/99 STUDY DAY OF DEATH: 612 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: 482.9 GRAMS
DATE AND TIME OF NECROPSY: 09/29/99 8:08 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90778 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 707.3 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 7:41 PROSECTOR: MICHELE MARGGI RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 82; 90 X 80MM; VERIFIED AT NECROPSY: OBSERVED >EYES; OPAQUE; EYES; VERIFIED AT NECROPSY: OBSERVED	EYE (EY) : -OPAQUE CORNEA; BILATERAL: CLEAR	EYE (EY) : -CATARACT,-PRESENT KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL PANCREAS (PA) : -ATROPHY, ACINAR,-MODERATE, FOCAL -HEMORRHAGE,-MODERATE, FOCAL ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-MODERATE, FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -VACUOLATION,-MINIMAL, MULTI-FOCAL HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL -FIBROSIS,-MINIMAL, MULTI-FOCAL THYROID (TY) : -CYST, FOLLICULAR,-MINIMAL, FOCAL
	PITUITARY (PI) : -DARK FOCUS(I)/AREA(S); RIGHT ASPECT: SINGLE DARK BROWN AREA, 3 X 1 MM	PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 707.3 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 7:41 PROSECTOR: MICHELE MARGGI RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL
	SEMINAL VESICLES (SV) : -LARGE; RIGHT: 25 X 15 X 5 MM (LEFT IS 20 X 10 X 4 MM); FIRM	SEMINAL VESICLES (SV) : -SECRETION, INCREASED,-PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
		LN, MEDIASTINAL (ML) : -DILATATION, SINUSOIDAL,-MINIMAL, MULTI-FOCAL >NOTE:>MEDIASTINAL LYMPH NODE WAS ON THYMUS SECTION
	MAMMARY, MALE (MM) : -MASS(ES); RIGHT INGUINAL REGION: SINGLE MASS, 120 X 90 X 40 MM, RED, DARK RED, TAN, GREY, AND FIRM; SAME ON CUT SURFACE; PORTION COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	MAMMARY, MALE (MM) : -NECROSIS,-MODERATELY SEVERE, MULTI-FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90778 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 707.3 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 7:41 PROSECTOR: MICHELE MARGGI RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
BRAIN (BR), LIVER (LI), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90779 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/03/99 STUDY DAY OF DEATH: 647 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 442.5 GRAMS
DATE AND TIME OF NECROPSY: 11/03/99 14:02 PROSECTOR: JOHN S. HALFORD RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EYES; OPAQUE; EYE-RIGHT; VERIFIED AT NECROPSY: OBSERVED	EYE (EY) : -OPAQUE CORNEA; RIGHT	EYE (EY) : -MINERALIZATION, LENS,-MINIMAL, FOCAL
>SKIN & PELAGE; BROWN HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	KIDNEY (KD) : -ROUGH SURFACE, DIFFUSE; BILATERAL -DIFFUSELY LIGHT; BILATERAL: TAN	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATELY SEVERE, DIFFUSE
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: OBSERVED		ADRENAL, CORTEX (AC) : -VACUOLATION,-MODERATE, MULTI-FOCAL
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE		ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,- 2 NEOPLASMS PRESENT
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL, MULTI-FOCAL
		THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 10 X 8 X 7 MM, RED, GRAY, TAN, LOBULATED AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90779 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		SALIV GL, MANDIB (SG) : -MINERALIZATION,-MINIMAL, MULTI-FOCAL
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN AREAS, UP TO 3 X 2 MM -THICKENED WALL; MUCOSA	STOMACH, GL (ST) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL, MULTI-FOCAL
	STOMACH, NONGL (SU) : -THICKENED WALL; MUCOSA	STOMACH, NONGL (SU) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL, MULTI-FOCAL
	PROSTATE (PR) : -NODULAR; PROXIMAL, TISSUE SURROUNDING URETHRA: GREEN AND FIRM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE, MULTI-FOCAL
	SEMINAL VESICLES (SV) : -GELATINOUS; BILATERAL: CLEAR AND SOFT	SEMINAL VESICLES (SV) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE, FOCAL -SECRETION, INCREASED,-PRESENT
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; BOTH REGIONS: BROWN MOIST MATERIAL -BLOOD FILM TAKEN -STAINS - SKIN/HAIRCOAT; ENTIRE HEAD: DRY RED MATERIAL -ANIMAL THIN -GI TRACT-LARGE LUMEN; INVOLVING ENTIRE GI TRACT: UP TO 18 MM IN DIAMETER; DISTENDED WITH GAS	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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DATE AND TIME OF NECROPSY: 11/03/99 14:02 PROSECTOR: JOHN S. HALFORD RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90780 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 574.7 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 8:32 PROSECTOR: TODD ACKER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0459	.0080 %	.0202	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0441	.0077 %	.0194	WEIGHT TAKEN
BRAIN (BR)	2.2694	.3949 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	2.2515	.3918 %	.9921	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	2.3423	.4076 %	1.0321	WEIGHT TAKEN
LIVER (LI)	17.4975	3.0446 %	7.7102	WEIGHT TAKEN
LUNG (LU)	1.9971	.3475 %	.8800	WEIGHT TAKEN
SPLEEN (SP)	.7631	.1328 %	.3363	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.6424	.2858 %	.7237	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.6309	.2838 %	.7186	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0171	.0030 %	.0075	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0109	.0019 %	.0048	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

STOMACH, GL (ST) :
-RED FOCUS(I)/AREA(S); MUCOSA: SINGLE
DARK RED AREA, 3 X 1 MM
PROSTATE (PR) :
-LARGE; 25 X 15 X 15 MM
SEMINAL VESICLES (SV) :
-LARGE; BILATERAL: EACH IS 28 X 15 X 3
MM

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

STOMACH, GL (ST) :
>NOT REQUIRED TO BE EXAMINED FOR ANIMAL

PROSTATE (PR) :
>NOT REQUIRED TO BE EXAMINED FOR ANIMAL
SEMINAL VESICLES (SV) :
>NOT REQUIRED TO BE EXAMINED FOR ANIMAL

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90780 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 574.7 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 8:32 PROSECTOR: TODD ACKER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90781 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 741.7 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 7:45 PROSECTOR: NANCY DIEDRICH RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATELY SEVERE, DIFFUSE PANCREAS (PA) : -INFLAMMATION, VASCULAR,-MINIMAL, MULTI-FOCAL TESTIS (TE) : -ATROPHY/DEGENERATION,-MODERATE, MULTI-FOCAL -MINERALIZATION,-SLIGHT, FOCAL THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT
	PITUITARY (PI) : -MASS(ES); 8 MM IN DIAMETER, DARK RED, GRAY AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT URINARY BLADDER (UB) : -CALCULUS,-PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90781 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 741.7 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 7:45 PROSECTOR: NANCY DIEDRICH RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS | NECROPSY | HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90782 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 664.3 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 9:48 PROSECTOR: JARED FISHEL RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-RIGHT; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; SWOLLEN; PAW-HIND-LEFT; VERIFIED AT NECROPSY: NOT OBSERVED >MASS(ES); DORSAL; WEEK 105; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 2 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS TESTIS (TE) : -SMALL; BILATERAL: EACH IS 13 X 7 X 4 MM; BOTH APPEAR SOFT	LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MODERATE, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL -VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL -B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT, MULTI-FOCAL TESTIS (TE) : -ATROPHY/DEGENERATION,-SEVERE, DIFFUSE -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL LUNG (LU) : -MINERALIZATION, VASCULAR,-SLIGHT, FOCAL THYROID (TY) : -B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT SKIN (SK) : -B-PAPILLOMA, SQUAMOUS CELL,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90782 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 664.3 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 9:48 PROSECTOR: JARED FISHEL RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	SKIN (SK) : -MASS(ES); DORSAL THORACIC REGION: SINGLE MASS, 10 MM IN DIAMETER, TAN, FIRM AND FRIABLE; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 22)	
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	FOOT/FOOTPAD(S) (FP) : -CRUSTED AREA(S); RIGHT HINDFOOT: SINGLE DARK RED AREA, 10 MM IN DIAMETER; SURROUNDING TISSUE APPEARS SWOLLEN; COLLECTED	FOOT/FOOTPAD(S) (FP) : -EROSION,-MODERATELY SEVERE, FOCAL -EXOSTOSES,-MODERATELY SEVERE, FOCAL -FIBROSIS,-MODERATE, FOCAL -INFLAMMATION, ACUTE,-SLIGHT, FOCAL
	LN, POPLITEAL (PP) : -LARGE; RIGHT: 12 X 8 X 7 MM (LEFT IS NOT IDENTIFIED) (CAP 23)	LN, POPLITEAL (PP) : -HYPERPLASIA, LYMPHOCYTIC,-SLIGHT, DIFFUSE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90782 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 664.3 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 9:48 PROSECTOR: JARED FISHEL RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), URINARY BLADDER (UB), LN, AXILLARY (AX)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90783 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 657.2 GRAMS
DATE AND TIME OF NECROPSY: 10/26/00 8:02 PROSECTOR: TONY HANFELD RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL, FOCAL URINARY BLADDER (UB) : -CALCULUS,-PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: DARK RED; COLLECTED FOOT/FOOTPAD(S) (FP) : -ABRASION(S)/ULCERATION(S); LEFT HINDFOOT: SINGLE DARK RED AND MOIST ABRADED AREA, 13 X 9 MM; APPEARS SWOLLEN; COLLECTED LN, POPLITEAL (PP) : -LARGE; LEFT: 10 X 8 X 4 MM (RIGHT IS 3 X 2 X 1 MM) (CAP 22) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	LN, MANDIBULAR (MN) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL FOOT/FOOTPAD(S) (FP) : -EDEMA,-MODERATE, FOCAL -EROSION,-MODERATELY SEVERE, FOCAL -EXOSTOSES,-MODERATE, FOCAL -FIBROSIS,-MODERATE, FOCAL -INFLAMMATION, ACUTE,-MODERATE, FOCAL LN, POPLITEAL (PP) : >UNREMARKABLE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90783 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 657.2 GRAMS
DATE AND TIME OF NECROPSY: 10/26/00 8:02 PROSECTOR: TONY HANFELD RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LIVER (LI), PANCREAS (PA), TESTIS (TE), LUNG (LU)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90784 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/08/99 STUDY DAY OF DEATH: 652 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 454.0 GRAMS
DATE AND TIME OF NECROPSY: 11/08/99 14:10 PROSECTOR: JARED FISHEL RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-RIGHT; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>SKIN & PELAGE; SORE/SCAB; VENTRAL-THORACIC; VERIFIED AT NECROPSY: NOT OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT KIDNEY (KD) :
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	SPLEEN (SP) :	SPLEEN (SP) :
>BEHAVIOR; RECUMBENT; LATERAL; VERIFIED AT NECROPSY: NOT APPLICABLE	-ROUGH SURFACE; DIFFUSE	>UNREMARKABLE ADRENAL, MEDULLA (MA) :
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		-B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT THYROID (TY) :
		-B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 10 X 8 X 8 MM, DARK RED, LOBULATED AND SOFT	-HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		PROSTATE (PR) :
		-INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL
		CAUSE OF DEATH (CD) :
		-PITUITARY ADENOMA,-PRESENT
	LN, LUMBAR/ILIAC (LM) :	LN, LUMBAR/ILIAC (LM) :
	-LARGE; RIGHT: 10 X 7 X 6 MM (LEFT IS 2 X 1 X 1 MM)	-DILATATION, SINUSOIDAL,-SLIGHT, MULTI-FOCAL
		MAMMARY, MALE (MM) :
		-PIGMENT,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90784 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/08/99 STUDY DAY OF DEATH: 652 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 454.0 GRAMS
DATE AND TIME OF NECROPSY: 11/08/99 14:10 PROSECTOR: JARED FISHEL RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	FOOT/FOOTPAD(S) (FP) : -CRUSTED AREA(S); RIGHT HINDFOOT: SINGLE DRY, DARK RED CRUSTED AREA, 4 MM IN DIAMETER; COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN	FOOT/FOOTPAD(S) (FP) : -EROSION,-SLIGHT, FOCAL -FIBROSIS,-SLIGHT, FOCAL -INFLAMMATION, ACUTE,-SLIGHT, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90784 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/08/99 STUDY DAY OF DEATH: 652 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 454.0 GRAMS
DATE AND TIME OF NECROPSY: 11/08/99 14:10 PROSECTOR: JARED FISHEL RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), PANCREAS (PA), ADRENAL, CORTEX (AC), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90785 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 481.6 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 11:01 PROSECTOR: JARED FISHEL RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-LEFT; WEEK 89; 55 X 65MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) : -MOTTLED; ALL LOBES: RED AND TAN -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 2 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : -DEGENERATION, CYSTIC,-MODERATE, MULTI-FOCAL -TELANGIECTASIS,-SLIGHT, FOCAL -VACUOLATION, HEPATOCELLULAR,-MODERATELY SEVERE, MULTI-FOCAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED		
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	KIDNEY (KD) : -ROUGH SURFACE, DIFFUSE; BILATERAL	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SEVERE, DIFFUSE
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-RIGHT; VERIFIED AT NECROPSY: OBSERVED		PANCREAS (PA) : -ATROPHY, ACINAR,-MINIMAL, MULTI-FOCAL
>WART LIKE LESION(S); TAIL; WEEK 104; VERIFIED AT NECROPSY: OBSERVED		TESTIS (TE) : -ATROPHY/DEGENERATION,-MINIMAL, MULTI-FOCAL
		THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 12 X 8 X 7 MM, DARK RED, TAN AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -THICKENED WALL; DIFFUSE	STOMACH, GL (ST) : -EDEMA,-MODERATE, DIFFUSE
	STOMACH, NONGL (SU) : -THICKENED WALL; DIFFUSE	STOMACH, NONGL (SU) : -EDEMA,-MODERATE, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90785 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 481.6 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 11:01 PROSECTOR: JARED FISHEL RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		STOMACH, NONGL (SU) : -INFLAMMATION, ACUTE,-MODERATE, FOCAL -ULCERATION,-MODERATELY SEVERE, FOCAL SKIN (SK) : -B-LIPOMA,-NEOPLASM PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	MAMMARY, MALE (MM) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 45 X 35 X 25 MM, TAN AND SOFT; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (SEE AXILLARY) LN, AXILLARY (AX) : -LARGE; RIGHT: 10 X 6 X 3 MM (LEFT IS 3 X 2 X 1 MM) -MOTTLED; BILATERAL: RED AND TAN (CAP 22) TAIL (TI) : -CRUSTED AREA(S); ENTIRE LENGTH: MULTIPLE DARK BROWN AND RAISED AREAS, UP TO 6 MM IN DIAMETER; PORTION COLLECTED FOOT/FOOTPAD(S) (FP) : -CRUSTED AREA(S); RIGHT HINDFOOT: SINGLE DARK BROWN AREA, 5 MM IN DIAMETER; COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	MAMMARY, MALE (MM) : -GALACTOCELE,-MODERATE, MULTI-FOCAL >NOTE:>MAMMARY MASS DESCRIBED GROSSLY WAS A SUBCUTANEOUS LIPOMA. LN, AXILLARY (AX) : >UNREMARKABLE TAIL (TI) : -EROSION,-SEVERE, FOCAL -INFLAMMATION, ACUTE,-SEVERE, FOCAL FOOT/FOOTPAD(S) (FP) : -EROSION,-MODERATELY SEVERE, FOCAL -INFLAMMATION, ACUTE,-SEVERE, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90785 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 481.6 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 11:01 PROSECTOR: JARED FISHEL RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS | NECROPSY | HISTOPATHOLOGY

GENERAL INFORMATION (XX) :
>NOTE:>ANIMAL IDENTIFICATION
TRANSPONDER DAMAGED AT NECROPSY

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), CALVARIUM/SKULL (CA), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), URINARY BLADDER (UB)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90786 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/02/99 STUDY DAY OF DEATH: 646 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/02/99 14:11 PROSECTOR: CHANESTA ACKER RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -DEGENERATION, CYSTIC,-MODERATE, MULTI-FOCAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT, MULTI-FOCAL PANCREAS (PA) : -ATROPHY, ACINAR,-MINIMAL, FOCAL ADRENAL, CORTEX (AC) : -VACUOLATION,-MINIMAL, FOCAL
	THYMUS (TH) : -RED FOCUS(I)/AREA(S); DIFFUSE: MULTIPLE DARK RED FOCI, UP TO 1 MM IN DIAMETER	THYMUS (TH) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-MINIMAL, FOCAL CAUSE OF DEATH (CD) : -MALIGNANT LYMPHOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90786 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/02/99 STUDY DAY OF DEATH: 646 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/02/99 14:11 PROSECTOR: CHANESTA ACKER RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		HEMATO NEOPLASIA (HN) : -M-LYMPHOMA,-NEOPLASM PRESENT

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90787 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 652.7 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 12:59 PROSECTOR: TONY HANFELD RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; SWOLLEN; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED FOCI, UP TO 2 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : -DEGENERATION, CYSTIC,-MODERATE, MULTI-FOCAL -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-SLIGHT, FOCAL -HEMORRHAGE,-MINIMAL, FOCAL -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL LUNG (LU) : -MINERALIZATION,-MINIMAL, FOCAL THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT -B-ADENOMA, C-CELL,-NEOPLASM PRESENT URINARY BLADDER (UB) : -HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT, DIFFUSE -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL, MULTI-FOCAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90787 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 652.7 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 12:59 PROSECTOR: TONY HANFELD RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LN, LUMBAR/ILIAC (LM) : -LARGE; BILATERAL: UP TO 12 X 8 X 5 MM (CAP 22) JOINT, OTHER (JT) : -LARGE; BILATERAL, TARSAL JOINTS: EACH IS UP TO 15 X 11 X 11 MM; BOTH COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	LN, LUMBAR/ILIAC (LM) : -DILATATION, SINUSOIDAL,-MODERATELY SEVERE, MULTI-FOCAL JOINT, OTHER (JT) : -EDEMA,-MODERATELY SEVERE, MULTI-FOCAL -EXOSTOSES,-MODERATELY SEVERE, MULTI-FOCAL -FIBROSIS,-MODERATELY SEVERE, MULTI-FOCAL -INFLAMMATION, ACUTE,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90787 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 652.7 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 12:59 PROSECTOR: TONY HANFELD RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), TESTIS (TE)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90788 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 1042.7 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 8:04 PROSECTOR: MICHELE MARGGI RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 4 X 3 MM, COLLECTED ON ROUTINE SECTIONS LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: DARK RED (CAP 22) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -ANIMAL OBESE	LIVER (LI) : -TELANGIECTASIS,-MINIMAL, FOCAL KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL PANCREAS (PA) : -ATROPHY, ACINAR,-MINIMAL, FOCAL THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT LN, MANDIBULAR (MN) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90788 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 1042.7 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 8:04 PROSECTOR: MICHELE MARGGI RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), LUNG (LU), URINARY BLADDER (UB)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90789 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 407.8 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 10:37 PROSECTOR: TODD ACKER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	12.0305	2.9501 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RIGHT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LEFT THYROID/PAR (TT0)	--------	--------	--------	NOT TAKEN
RIGHT THYROID/PR (TT1)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90789 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
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DATE AND TIME OF NECROPSY: 02/18/98 10:37 PROSECTOR: TODD ACKER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90790 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/09/99 STUDY DAY OF DEATH: 561 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 637.6 GRAMS
DATE AND TIME OF NECROPSY: 08/09/99 12:45 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE >BEHAVIOR; RECUMBENT; STERNAL; VERIFIED AT NECROPSY: NOT APPLICABLE >EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE >SKIN & PELAGE; BROWN HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) KIDNEY (KD) : -LARGE PELVIS(ES); BILATERAL PITUITARY (PI) : -MASS(ES); SINGLE MASS, 7 X 7 X 12 MM, SOFT, RED, DARK RED AND TAN	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT LIVER (LI) : -DEGENERATION, CYSTIC,-SLIGHT, FOCAL -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-SLIGHT, FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL PANCREAS (PA) : -PIGMENT,-MINIMAL, MULTI-FOCAL THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT PROSTATE (PR) : -INFLAMMATION, ACUTE,-MODERATE, FOCAL CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90790 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/09/99 STUDY DAY OF DEATH: 561 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 637.6 GRAMS
DATE AND TIME OF NECROPSY: 08/09/99 12:45 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-STAINS - SKIN/HAIRCOAT; ENTIRE
VENTRAL SURFACE: MOIST YELLOW MATERIAL

HISTOPATHOLOGY

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90791 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 757.7 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 8:28 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 2 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, CLEAR CELL,-MODERATELY SEVERE, FOCAL -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-SLIGHT, MULTI-FOCAL -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL -VACUOLATION, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL PANCREAS (PA) : -ATROPHY, ACINAR,-MODERATE, MULTI-FOCAL URINARY BLADDER (UB) : -CALCULUS,-PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90791 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 757.7 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 8:28 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), LUNG (LU), THYROID (TY)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90792 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/25/99 STUDY DAY OF DEATH: 396 STUDY WEEK OF DEATH: 57 TERMINAL BODY WEIGHT: 474.7 GRAMS
DATE AND TIME OF NECROPSY: 02/25/99 12:04 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) :	BRAIN (BR) :
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		-DILATATION, VENTRICULAR,-PRESENT
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		TESTIS (TE) :
>RESPIRATION; IRREGULAR; VERIFIED AT NECROPSY: NOT APPLICABLE		-MINERALIZATION, VASCULAR,-MINIMAL, FOCAL
		LUNG (LU) :
		-FIBROSIS, PLEURAL/SUBPLEURAL,-SLIGHT, FOCAL
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 12 X 8 X 8 MM, DARK RED, TAN, GRAY AND SOFT	-HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) :
		-INFLAMMATION, CHRONIC,-MINIMAL, FOCAL
	STOMACH, NONGL (SU) :	STOMACH, NONGL (SU) :
	-EROSION/ULCERATION; MUCOSA: MULTIPLE ULCERATED AREAS, 1 MM IN DIAMETER	-EDEMA,-MODERATE, FOCAL
		-EROSION,-MINIMAL, FOCAL
		-INFLAMMATION, ACUTE,-SLIGHT, MULTI-FOCAL
	ILEUM (IL) :	ILEUM (IL) :
	>NOTE:>TRIMMING COMMENT: MISSING AT TIME OF TRIM	>TISSUE MISSING
		CECUM (CE) :
		>TISSUE MISSING

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90792 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/25/99 STUDY DAY OF DEATH: 396 STUDY WEEK OF DEATH: 57 TERMINAL BODY WEIGHT: 474.7 GRAMS
DATE AND TIME OF NECROPSY: 02/25/99 12:04 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	CECUM (CE) : >NOTE:>TRIMMING COMMENT: MISSING AT TIME OF TRIM	
	COLON (CO) : >NOTE:>TRIMMING COMMENT: MISSING AT TIME OF TRIM	COLON (CO) : >TISSUE MISSING
		PROSTATE (PR) : -EDEMA,-SLIGHT, MULTI-FOCAL -INFLAMMATION, ACUTE,-MODERATELY SEVERE, MULTI-FOCAL
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90793 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 07/19/99 STUDY DAY OF DEATH: 540 STUDY WEEK OF DEATH: 78 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 07/19/99 12:18 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT KIDNEY (KD) : -CAST, PROTEINACEOUS,-MODERATE, MULTI-FOCAL ADRENAL, CORTEX (AC) : -HYPERPLASIA, CORTICAL,-MODERATE, FOCAL -VACUOLATION,-SLIGHT, MULTI-FOCAL LUNG (LU) : -MINERALIZATION, VASCULAR,-SLIGHT, FOCAL
	PITUITARY (PI) : -MASS(ES); 10 X 7 X 7 MM, RED, DARK RED, GRAY AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT MAMMARY, MALE (MM) : -GALACTOCELE,-SLIGHT, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90793 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 07/19/99 STUDY DAY OF DEATH: 540 STUDY WEEK OF DEATH: 78 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 07/19/99 12:18 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90794 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 759.5 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 8:33 PROSECTOR: TONY HANFELD RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-RIGHT; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; BROWN HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MINIMAL, FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -INFARCT,-SLIGHT, FOCAL -INFLAMMATION, ACUTE,-SLIGHT, MULTI-FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL -PYELONEPHRITIS,-MINIMAL, MULTI-FOCAL PANCREAS (PA) : -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, ANT MES/PANC (AP) : -LARGE; UP TO 5 MM IN DIAMETER (CAP 22) -DIFFUSELY RED; DARK RED	LN, ANT MES/PANC (AP) : >TISSUE MISSING >NOTE:>PANCREATIC LYMPH NODE DESCRIBED GROSSLY WAS A ISLET CELL ADENOMA OF THE PANCREAS
	LN, LUMBAR/ILIAC (LM) : -LARGE; BILATERAL: UP TO 19 X 11 X 10 MM (CAP 23)	LN, LUMBAR/ILIAC (LM) : -DILATATION, SINUSOIDAL,-MODERATELY SEVERE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90794 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
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DATE AND TIME OF NECROPSY: 01/26/00 8:33 PROSECTOR: TONY HANFELD RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	FOOT/FOOTPAD(S) (FP) : -CRUSTED AREA(S); RIGHT HINDFOOT: SINGLE DARK RED AND TAN AREA, 10 X 9 MM; APPEARS SWOLLEN; COLLECTED	FOOT/FOOTPAD(S) (FP) : -EROSION,-MODERATELY SEVERE, MULTI-FOCAL -EXOSTOSES,-MODERATE, MULTI-FOCAL -FIBROSIS,-MODERATE, FOCAL -INFLAMMATION, ACUTE,-MODERATE, FOCAL
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; BROWN AND DRY -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -ANIMAL OBESE	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), LUNG (LU), THYROID (TY), URINARY BLADDER (UB)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90795 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/01/99 STUDY DAY OF DEATH: 400 STUDY WEEK OF DEATH: 58 TERMINAL BODY WEIGHT: 431.6 GRAMS
DATE AND TIME OF NECROPSY: 03/01/99 13:40 PROSECTOR: TERRI L. WILLIAMS RECORDER: KEVIN BILLINGS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		EYE (EY) :
		-INFLAMMATION, ACUTE, CILIARY,-SLIGHT, MULTI-FOCAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>RESPIRATION; AUDIBLE; VERIFIED AT NECROPSY: NOT APPLICABLE	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
		-DILATATION, VENTRICULAR,-PRESENT
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) :
		-MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
>SKIN & PELAGE; BROWN HAIR COAT; GENERALIZED; VERIFIED AT NECROPSY: NOT OBSERVED		ADRENAL, CORTEX (AC) :
		-DEGENERATION, CYSTIC, CORTICAL,-MINIMAL, FOCAL
>DISCHARGE; NASAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED		
		-HEMORRHAGE,-MINIMAL, FOCAL
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 12 X 10 X 8 MM, RED, DARK RED, TAN, GRAY AND SOFT	-B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, NONGL (SU) :	STOMACH, NONGL (SU) :
	-THICKENED WALL; MUCOSA, DIFFUSE	-EDEMA,-MODERATELY SEVERE, MULTI-FOCAL
		-EROSION,-MODERATE, MULTI-FOCAL
		-INFLAMMATION, ACUTE,-SLIGHT, MULTI-FOCAL
	RECTUM (RE) :	RECTUM (RE) :
	>NOTE:>TRIMMING COMMENT: MISSING AT TRIMMING	>TISSUE MISSING

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90795 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/01/99 STUDY DAY OF DEATH: 400 STUDY WEEK OF DEATH: 58 TERMINAL BODY WEIGHT: 431.6 GRAMS
DATE AND TIME OF NECROPSY: 03/01/99 13:40 PROSECTOR: TERRI L. WILLIAMS RECORDER: KEVIN BILLINGS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PROSTATE (PR) : -INFLAMMATION, ACUTE,-SLIGHT, MULTI-FOCAL CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	MAMMARY, MALE (MM) : -CYST(S); BILATERAL AXILLARY REGIONS: MULTIPLE TAN CREAMY SEMIFLUID FILLED CYSTS, UP TO 3 MM IN DIAMETER (CAP 21)	MAMMARY, MALE (MM) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL
	PENIS (PE) : -PROTRUDING; APPROXIMATELY 9 MM EXPOSED; COLLECTED	PENIS (PE) : -PROLAPSE,-PRESENT
		PREPUTIAL GLAND (PG) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL >NOTE:>PREPUTIAL GLAND WAS PRESENT ON PENIS SLIDE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY RED MATERIAL -DISCHARGE-NASAL; BILATERAL: DRY RED MATERIAL	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90795 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/01/99 STUDY DAY OF DEATH: 400 STUDY WEEK OF DEATH: 58 TERMINAL BODY WEIGHT: 431.6 GRAMS
DATE AND TIME OF NECROPSY: 03/01/99 13:40 PROSECTOR: TERRI L. WILLIAMS RECORDER: KEVIN BILLINGS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90796 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/13/99 STUDY DAY OF DEATH: 412 STUDY WEEK OF DEATH: 59 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/13/99 16:23 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
	PITUITARY (PI) : -MASS(ES); 11 X 8 X 6 MM, RED, TAN, DARK RED AND FIRM	PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN AREAS, UP TO 3 X 2 MM	STOMACH, GL (ST) : >UNREMARKABLE
	STOMACH, NONGL (SU) : -DARK FOCUS(I)/AREA(S); MUCOSA: SINGLE DARK BROWN AREA, 2 X 1 MM	STOMACH, NONGL (SU) : -EDEMA,-SLIGHT, FOCAL -EROSION,-MODERATE, FOCAL -INFLAMMATION, ACUTE,-SLIGHT, FOCAL JEJUNUM (JE) : >AUTOLYTIC
	PROSTATE (PR) : -NODULAR; TISSUE PROXIMAL TO URETHRA: GREEN AND FIRM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 03/13/99 16:23 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT MAMMARY, MALE (MM) : -PIGMENT,-MINIMAL, MULTI-FOCAL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90797 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 533.4 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 8:29 PROSECTOR: MICHELE MARGGI RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0263	.0049 %	.0117	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0244	.0046 %	.0108	WEIGHT TAKEN
BRAIN (BR)	2.2572	.4232 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.7313	.3246 %	.7670	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.7203	.3225 %	.7621	WEIGHT TAKEN
LIVER (LI)	13.8052	2.5882 %	6.1161	WEIGHT TAKEN
LUNG (LU)	1.7917	.3359 %	.7938	WEIGHT TAKEN
SPLEEN (SP)	.8018	.1503 %	.3552	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.7172	.3219 %	.7608	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.8086	.3391 %	.8013	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0090	.0017 %	.0040	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0183	.0034 %	.0081	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

STOMACH, GL (ST) :
-RED FOCUS(I)/AREA(S); MUCOSA: TWO PINPOINT FOCI

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

LIVER (LI) :
-VACUOLATION, HEPATOCELLULAR,-SLIGHT, FOCAL
STOMACH, GL (ST) :
>NOT REQUIRED TO BE EXAMINED FOR ANIMAL

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90798 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/29/99 STUDY DAY OF DEATH: 703 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: 746.3 GRAMS
DATE AND TIME OF NECROPSY: 12/29/99 14:36 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED
>RESPIRATION; AUDIBLE; VERIFIED AT NECROPSY: NOT APPLICABLE
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

LIVER (LI) :
-LIGHT FOCUS(I)/AREA(S); DIAPHRAGMATIC SURFACE OF LEFT LATERAL LOBE: SINGLE TAN AND LINEAR AREA, 7 X 2 MM; COLLECTED ON ROUTINE SECTION
-RED FOCUS(I)/AREA(S); DIAPHRAGMATIC SURFACE OF LEFT LATERAL LOBE: SINGLE DARK RED AREA, 4 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION

HISTOPATHOLOGY

EYE (EY) :
-VASCULARIZATION, CORNEAL,-MINIMAL, MULTI-FOCAL
LIVER (LI) :
-FIBROSIS, CAPSULAR,-MINIMAL, MULTI-FOCAL
-FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-SEVERE, FOCAL
-HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL
-NECROSIS, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL
-TELANGIECTASIS,-MODERATE, FOCAL
-VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL
PANCREAS (PA) :
-ATROPHY, ACINAR,-MINIMAL, MULTI-FOCAL
-PIGMENT,-MINIMAL, MULTI-FOCAL
ADRENAL, CORTEX (AC) :
-VACUOLATION,-SLIGHT, MULTI-FOCAL
LN, MESENTERIC (MS) :
-HEMORRHAGE,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LN, MESENTERIC (MS) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL, MULTI-FOCAL HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT -HYPERPLASIA, C-CELL,-MINIMAL, FOCAL PITUITARY (PI) : -CYST,-PRESENT -B-ADENOMA,-NEOPLASM PRESENT PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL, MULTI-FOCAL CAUSE OF DEATH (CD) : -UNDETERMINED,-PRESENT
	TAIL (TI) : -CRUSTED AREA(S); ALONG ENTIRE LENGTH: MULTIPLE TAN, DRY, AND SLIGHTLY RAISED AREAS, UP TO 3 MM IN DIAMETER; COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL, UPPER INCISORS -TEETH MISSING/BROKEN/WORN; BILATERAL, UPPER INCISORS: BROKEN OFF AT BASE	TAIL (TI) : -CYST, EPIDERMAL INCLUSION,-PRESENT -EROSION,-MODERATE, FOCAL -INFLAMMATION, ACUTE,-MODERATELY SEVERE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
BRAIN (BR), SPLEEN (SP), ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90799 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 685.0 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 11:17 PROSECTOR: MICHELE MARGGI RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; NONFORMED FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) : -MASS(ES); VISCERAL SURFACE OF LEFT LATERAL LOBE: SINGLE MASS, 15 X 10 X 8 MM, RED, TAN AND SOFT; SAME ON CUT SURFACE; COLLECTED ON ROUTINE SECTION; REGIONAL LN (HEPATIC) NOT IDENTIFIED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MINIMAL, MULTI-FOCAL -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL -VACUOLATION, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL -B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL PANCREAS (PA) : -HYPERPLASIA, ACINAR,-SLIGHT, FOCAL THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT URINARY BLADDER (UB) : -CALCULUS,-PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 01/25/00 11:17 PROSECTOR: MICHELE MARGGI RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), LUNG (LU)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90800 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 08/26/99 STUDY DAY OF DEATH: 578 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 08/26/99 11:21 PROSECTOR: DAVID SCHUETTE RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; NONFORMED FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) : -DEGENERATION, CYSTIC,-MINIMAL, FOCAL -VACUOLATION, HEPATOCELLULAR,-MINIMAL, FOCAL -B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT
	KIDNEY (KD) : -CALCULUS(I); RIGHT, WITHIN PELVIS: SINGLE TAN, HARD AND FLAT CALCULUS, 4 X 2 X LESS THAN 1 MM -LARGE; BILATERAL: EACH IS 30 X 20 X 16 MM	KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, FOCAL -MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL
	ADRENAL, CORTEX (AC) : -LARGE; RIGHT: 13 X 8 X 8 MM (LEFT IS 5 X 4 X 4 MM)	ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-MODERATE, FOCAL -VACUOLATION,-MODERATE, MULTI-FOCAL ADRENAL, MEDULLA (MA) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT
	LUNG (LU) : -DIFFUSELY RED; ALL LOBES: DARK RED	LUNG (LU) : >UNREMARKABLE HEART (HT) : -DEGENERATION/NECROSIS,-SLIGHT, MULTI-FOCAL -FIBROSIS,-SLIGHT, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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DATE AND TIME OF NECROPSY: 08/26/99 11:21 PROSECTOR: DAVID SCHUETTE RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT PROSTATE (PR) : -INFLAMMATION, ACUTE,-SLIGHT, MULTI-FOCAL SEMINAL VESICLES (SV) : -SECRETION, INCREASED,-PRESENT CAUSE OF DEATH (CD) : -HEPATOCELLULAR ADENOMA,-PRESENT
	LN, LUMBAR/ILIAC (LM) : -MOTTLED; BILATERAL: DARK BROWN AND TAN (CAP 21)	LN, LUMBAR/ILIAC (LM) : -DILATATION, SINUSOIDAL,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90801 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/11/99 STUDY DAY OF DEATH: 685 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/11/99 9:35 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); LIMB-HIND-RIGHT; WEEK 98; 40 X 40MM; VERIFIED AT NECROPSY: OBSERVED		BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
	LIVER (LI) : -LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN AREAS, UP TO 15 MM IN DIAMETER (CAP 22) -MOTTLED; ALL LOBES: RED, DARK RED, DARK BROWN AND TAN	LIVER (LI) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL
		PANCREAS (PA) : -HEMORRHAGE,-MODERATELY SEVERE, FOCAL -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT
		LN, MESENTERIC (MS) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
		HEART (HT) : -DEGENERATION/NECROSIS,-SLIGHT, MULTI-FOCAL -FIBROSIS,-SLIGHT, MULTI-FOCAL
	PITUITARY (PI) : -LARGE; 5 X 5 X 4 MM; APPEARS SWOLLEN	PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90801 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/11/99 STUDY DAY OF DEATH: 685 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/11/99 9:35 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT DUODENUM (DU) : >AUTOLYTIC JEJUNUM (JE) : >AUTOLYTIC SKIN (SK) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT CAUSE OF DEATH (CD) : -HISTIOCYTIC SARCOMA,-PRESENT HEMATO NEOPLASIA (HN) : -M-SARCOMA, HISTIOCYTIC,-NEOPLASM PRESENT
	LN, ANT MES/PANC (AP) : -LARGE; ANTERIOR MESENTERIC: 7 MM IN DIAMETER (CAP 23)	LN, ANT MES/PANC (AP) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
	MAMMARY, MALE (MM) : -MASS(ES); RIGHT LATERAL ABDOMINAL REGION, EXTENDING TO RIGHT LATERAL HINDLEG: SINGLE MASS, 45 X 30 X 20 MM, RED, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, MALE (MM) : >TISSUE MISSING >NOTE:>MAMMARY MASS DESCRIBED GROSSLY WAS HISTIOCYTIC SARCOMA IN THE SKIN

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90801 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/11/99 STUDY DAY OF DEATH: 685 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/11/99 9:35 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90802 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/10/99 STUDY DAY OF DEATH: 562 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 435.8 GRAMS
DATE AND TIME OF NECROPSY: 08/10/99 13:58 PROSECTOR: DENNIS HOFFMAN RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: OBSERVED
>BEHAVIOR; RECUMBENT; LATERAL; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; COLD TO TOUCH; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

BONE, FEMUR (FE) :
>NOTE:>TRIMMING COMMENT: NOT FOUND AT TRIMMING
MARROW, FEMUR (FM) :
>NOTE:>TRIMMING COMMENT: NOT FOUND AT TRIMMING

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
-DILATATION, VENTRICULAR,-PRESENT
LIVER (LI) :
-VACUOLATION, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL
KIDNEY (KD) :
-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
-MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL
PANCREAS (PA) :
-PIGMENT,-MINIMAL, MULTI-FOCAL
ADRENAL, CORTEX (AC) :
-VACUOLATION,-SLIGHT, FOCAL
BONE, FEMUR (FE) :
>TISSUE MISSING
MARROW, FEMUR (FM) :
>TISSUE MISSING
THYROID (TY) :
-CYST, FOLLICULAR,-SLIGHT, MULTI-FOCAL
PITUITARY (PI) :
-B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90802 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/10/99 STUDY DAY OF DEATH: 562 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 435.8 GRAMS
DATE AND TIME OF NECROPSY: 08/10/99 13:58 PROSECTOR: DENNIS HOFFMAN RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 6 X 6 X8 MM, SOFT, RED, AND DARK RED STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: MULTIPLE TAN AND RED ERODED AREAS, UP TO 2 X 3 MM -THICKENED WALL; DIFFUSE GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; DRY BROWN MATERIAL -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY RED MATERIAL -DISCHARGE-NASAL; DRY RED MATERIAL -ANIMAL THIN	STOMACH, NONGL (SU) : -EDEMA,-SLIGHT, MULTI-FOCAL -EROSION,-MODERATE, FOCAL -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90802 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/10/99 STUDY DAY OF DEATH: 562 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 435.8 GRAMS
DATE AND TIME OF NECROPSY: 08/10/99 13:58 PROSECTOR: DENNIS HOFFMAN RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90803 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/07/99 STUDY DAY OF DEATH: 651 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/07/99 8:00 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>EYES; OPAQUE; EYES; VERIFIED AT NECROPSY: OBSERVED
>WART LIKE LESION(S); TAIL; WEEK 93; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

EYE (EY) :
-OPAQUE CORNEA; BILATERAL
LIVER (LI) :
-LARGE; ALL LOBES
KIDNEY (KD) :
-LARGE; BILATERAL: EACH IS 29 X 21 X 19 MM
TESTIS (TE) :
-SMALL; BILATERAL: EACH IS 12 X 7 X 6 MM
LUNG (LU) :
-UNCOLLAPSED; ALL LOBES

HISTOPATHOLOGY

EYE (EY) :
-FIBROSIS, LENS,-MINIMAL, FOCAL
LIVER (LI) :
>UNREMARKABLE
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
TESTIS (TE) :
-ATROPHY/DEGENERATION,-SEVERE, DIFFUSE
LUNG (LU) :
-MINERALIZATION, VASCULAR,-MINIMAL, MULTI-FOCAL
HEART (HT) :
-DEGENERATION/NECROSIS,-MODERATE, MULTI-FOCAL
-FIBROSIS,-MODERATE, MULTI-FOCAL
THYROID (TY) :
-CYST, FOLLICULAR,-SLIGHT, FOCAL
-CYST, ULTIMOBRANCHIAL,-PRESENT
PARATHYROID (PT) :
-B-ADENOMA,-NEOPLASM PRESENT
PITUITARY (PI) :
-HEMORRHAGE,-SLIGHT, FOCAL
-B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90803 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/07/99 STUDY DAY OF DEATH: 651 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/07/99 8:00 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ILEUM (IL) : >AUTOLYTIC CECUM (CE) : >AUTOLYTIC PROSTATE (PR) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
	SEMINAL VESICLES (SV) : -SMALL; BILATERAL: EACH IS 15 X 9 X 5 MM	SEMINAL VESICLES (SV) : >UNREMARKABLE
		CAUSE OF DEATH (CD) : -UNDETERMINED,-PRESENT
	TAIL (TI) : -RAISED AREA(S); 41 MM FROM BASE: SINGLE DRY, TAN RAISED AREA, 3 X 3 X 2 MM; COLLECTED	TAIL (TI) : -CYST, EPIDERMAL INCLUSION,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90803 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/07/99 STUDY DAY OF DEATH: 651 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/07/99 8:00 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90804 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 501.6 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 7:35 PROSECTOR: JARED FISHEL RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: AS ASSIGNED

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; DORSAL; VERIFIED AT NECROPSY: OBSERVED	EYE (EY) :	EYE (EY) :
	-OPAQUE CORNEA; BILATERAL	-INFLAMMATION, ACUTE, CILIARY,-SLIGHT, MULTI-FOCAL
		-INFLAMMATION, ACUTE, CORNEAL,-MODERATE, MULTI-FOCAL
		-ULCERATION, CORNEAL,-MODERATE, MULTI-FOCAL
		-VASCULARIZATION, CORNEAL,-MODERATE, MULTI-FOCAL
>EYES; OPAQUE; EYES; VERIFIED AT NECROPSY: OBSERVED		
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED		
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) :	LIVER (LI) :
	-RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AND SLIGHTLY DEPRESSED AREAS, UP TO 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	-DEGENERATION, CYSTIC,-SLIGHT, MULTI-FOCAL
		-FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MODERATE, FOCAL
		-HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL
		-TELANGIECTASIS,-MINIMAL, FOCAL
	KIDNEY (KD) :	KIDNEY (KD) :
	-ROUGH SURFACE, DIFFUSE; BILATERAL	-CYST,-SEVERE, FOCAL
	-DIFFUSELY LIGHT; BILATERAL: TAN	-NEPHROPATHY, CHRONIC PROGRESSIVE,-SEVERE, DIFFUSE
	-CYST(S); BILATERAL, DIFFUSE: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 4 MM IN DIAMETER	
		PARATHYROID (PT) :
		-HYPERPLASIA,-MODERATE, DIFFUSE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90804 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 501.6 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 7:35 PROSECTOR: JARED FISHEL RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: AS ASSIGNED

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PARATHYROID (PT) : -LARGE; BILATERAL: EACH IS 2 X 2 X 1 MM	
	STOMACH, GL (ST) : -THICKENED WALL; DIFFUSE	STOMACH, GL (ST) : -EDEMA,-MODERATE, FOCAL -MINERALIZATION,-MODERATE, MULTI-FOCAL
	SKIN (SK) : -CRUSTED AREA(S); DORSAL THORACIC REGION: SINGLE DARK RED AND DRY AREA, 4 MM IN DIAMETER (CAP 22)	SKIN (SK) : -B-PAPILLOMA, SQUAMOUS CELL,-NEOPLASM PRESENT
		URINARY BLADDER (UB) : -CALCULUS,-PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90804 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 501.6 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 7:35 PROSECTOR: JARED FISHEL RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: AS ASSIGNED

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), TESTIS (TE), LUNG (LU), THYROID (TY)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90805 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/24/99 STUDY DAY OF DEATH: 423 STUDY WEEK OF DEATH: 61 TERMINAL BODY WEIGHT: 457.0 GRAMS
DATE AND TIME OF NECROPSY: 03/24/99 7:58 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>SKIN & PELAGE; BROWN HAIR COAT; SCROTUM; VERIFIED AT NECROPSY: NOT OBSERVED		-DILATATION, VENTRICULAR,-PRESENT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED		KIDNEY (KD) :
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE		-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	TESTIS (TE) :	PANCREAS (PA) :
	-SMALL; BILATERAL: EACH IS 15 X 8 X 4 MM; BOTH ARE SOFT	-PIGMENT,-MINIMAL, MULTI-FOCAL
	PITUITARY (PI) :	ADRENAL, MEDULLA (MA) :
	-MASS(ES); 10 X 8 X 8 MM, DARK RED, TAN AND SOFT	-B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT
		TESTIS (TE) :
		-ATROPHY/DEGENERATION,-SEVERE, DIFFUSE
		PITUITARY (PI) :
		-HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
		STOMACH, NONGL (SU) :
		-EDEMA,-SLIGHT, FOCAL
		-EROSION,-SLIGHT, FOCAL
		-INFLAMMATION, ACUTE,-SLIGHT, FOCAL
		PROSTATE (PR) :
		-INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90805 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/24/99 STUDY DAY OF DEATH: 423 STUDY WEEK OF DEATH: 61 TERMINAL BODY WEIGHT: 457.0 GRAMS
DATE AND TIME OF NECROPSY: 03/24/99 7:58 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	SEMINAL VESICLES (SV) : -SMALL; BILATERAL: EACH IS 10 X 5 X 2 MM	SEMINAL VESICLES (SV) : >UNREMARKABLE
		EPIDIDYMIDES (EP) : -HYPOSPERMIA,-PRESENT
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90805 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/24/99 STUDY DAY OF DEATH: 423 STUDY WEEK OF DEATH: 61 TERMINAL BODY WEIGHT: 457.0 GRAMS
DATE AND TIME OF NECROPSY: 03/24/99 7:58 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), ADRENAL, CORTEX (AC), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90806 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/21/98 STUDY DAY OF DEATH: 239 STUDY WEEK OF DEATH: 35 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 09/21/98 14:20 PROSECTOR: JAMES T. CALLEN RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 21; 95 X 100MM; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; SORE/SCAB; VENTRAL-ABDOMINAL-LEFT; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

LIVER (LI) :
-DIFFUSELY LIGHT; ALL LOBES: LIGHT TAN

LUNG (LU) :
-ADHESION(S); TRIM COMMENT: LEFT LOBE ADHERED TO DIAPHRAGM: SINGLE TAN AND FIBROUS ADHESION, 8 MM IN LENGTH

LN, LUMBAR/ILIAC (LM) :
-LARGE; RIGHT, LUMBAR: 7 X 3 X 1 MM (LEFT NOT IDENTIFIED) (CAP 21)

HISTOPATHOLOGY

LIVER (LI) :
>UNREMARKABLE
LN, MESENTERIC (MS) :
-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
LUNG (LU) :
-FIBROSIS, PLEURAL/SUBPLEURAL,-MODERATE, MULTI-FOCAL
THYROID (TY) :
-CYST, FOLLICULAR,-SLIGHT, MULTI-FOCAL
SKIN (SK) :
-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
-NECROSIS,-SEVERE, MULTI-FOCAL
-M-SARCOMA, UNDIFFERENTIATED,-NEOPLASM PRESENT
CAUSE OF DEATH (CD) :
-UNDIFFERENTIATED SARCOMA,-PRESENT
LN, LUMBAR/ILIAC (LM) :
>UNREMARKABLE
MAMMARY, MALE (MM) :
>NOT REQUIRED TO BE EXAMINED FOR ANIMAL
>NOTE:>MAMMARY GLAND MASS DESCRIBED GROSSLY WAS A SUBCUTANEOUS FIBROMA

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90806 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/21/98 STUDY DAY OF DEATH: 239 STUDY WEEK OF DEATH: 35 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 09/21/98 14:20 PROSECTOR: JAMES T. CALLEN RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, MALE (MM) : -MASS(ES); EXTENDING FROM RIGHT TO LEFT INGUINAL REGION AND XIPHOID PROCESS TO PERIANAL REGION: SINGLE MASS, 120 X 110 X 60 MM (340.4 GRAMS), RED, TAN, DARK RED, VASCULAR AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED OVERLYING SKIN HAS A SINGLE RED, DARK RED, CRUSTED AREA, 80 X 60 MM; COLLECTED INTACT WITH MASS GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90806 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/21/98 STUDY DAY OF DEATH: 239 STUDY WEEK OF DEATH: 35 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 09/21/98 14:20 PROSECTOR: JAMES T. CALLEN RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90807 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 522.0 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 11:41 PROSECTOR: GREGORY CODDINGTON RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0231	.0044 %	.0104	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0207	.0040 %	.0093	WEIGHT TAKEN
BRAIN (BR)	2.2198	.4252 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.8047	.3457 %	.8130	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.9042	.3648 %	.8578	WEIGHT TAKEN
LIVER (LI)	14.8853	2.8516 %	6.7057	WEIGHT TAKEN
LUNG (LU)	1.7490	.3351 %	.7879	WEIGHT TAKEN
SPLEEN (SP)	.8167	.1565 %	.3679	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.8401	.3525 %	.8289	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.8383	.3522 %	.8281	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0109	.0021 %	.0049	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0155	.0030 %	.0070	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
ADRENAL, CORTEX (AC) :
-VACUOLATION,-MINIMAL, MULTI-FOCAL
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90808 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/31/99 STUDY DAY OF DEATH: 491 STUDY WEEK OF DEATH: 71 TERMINAL BODY WEIGHT: 398.6 GRAMS
DATE AND TIME OF NECROPSY: 05/31/99 10:14 PROSECTOR: JOHN S. HALFORD RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE		-DILATATION, VENTRICULAR,-PRESENT
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) :
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	KIDNEY (KD) :	-VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE	-MOTTLED; BILATERAL: DARK BROWN AND TAN	KIDNEY (KD) :
>BEHAVIOR; RECUMBENT; LATERAL; VERIFIED AT NECROPSY: NOT APPLICABLE		-CYST,-MINIMAL, FOCAL
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT, MULTI-FOCAL
		PANCREAS (PA) :
		-PIGMENT,-MINIMAL, MULTI-FOCAL
		LN, MESENTERIC (MS) :
		-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL, MULTI-FOCAL
		LUNG (LU) :
		-INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL, MULTI-FOCAL
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 12 X 9 X 8 MM, RED, DARK RED, GRAY, TAN, LOBULATED, AND SOFT	-HEMORRHAGE,-SEVERE, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) :	STOMACH, GL (ST) :
	-DARK FOCUS(I)/AREA(S); MUCOSA: SINGLE DARK BROWN AREA, 3 X 2 MM	>UNREMARKABLE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90808 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/31/99 STUDY DAY OF DEATH: 491 STUDY WEEK OF DEATH: 71 TERMINAL BODY WEIGHT: 398.6 GRAMS
DATE AND TIME OF NECROPSY: 05/31/99 10:14 PROSECTOR: JOHN S. HALFORD RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL
	SEMINAL VESICLES (SV) : -GELATINOUS; BILATERAL: CLEAR AND SOFT	SEMINAL VESICLES (SV) : >UNREMARKABLE
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	LN, LUMBAR/ILIAC (LM) : -LARGE; BILATERAL, LUMBAR LN: EACH IS 6 X 4 X 3 MM (CAP 21)	LN, LUMBAR/ILIAC (LM) : >UNREMARKABLE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90808 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/31/99 STUDY DAY OF DEATH: 491 STUDY WEEK OF DEATH: 71 TERMINAL BODY WEIGHT: 398.6 GRAMS
DATE AND TIME OF NECROPSY: 05/31/99 10:14 PROSECTOR: JOHN S. HALFORD RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90809 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 717.6 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 9:45 PROSECTOR: TERRI L. WILLIAMS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; SWOLLEN; PAW-HIND-LEFT; VERIFIED AT NECROPSY: NOT OBSERVED	LIVER (LI) : -MOTTLED; ALL LOBES: RED AND TAN	LIVER (LI) : -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL TESTIS (TE) : -INFLAMMATION, CHRONIC,-MINIMAL, FOCAL THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT -INFLAMMATION, GRANULOMATOUS,-SLIGHT, FOCAL URINARY BLADDER (UB) : -CALCULUS,-PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: DARK RED (CAP 22)	LN, MANDIBULAR (MN) : >UNREMARKABLE
	LN, LUMBAR/ILIAC (LM) : -LARGE; RIGHT: 6 MM IN DIAMETER (LEFT NOT IDENTIFIED); RIGHT APPEARS CYSTIC (CAP 23)	LN, LUMBAR/ILIAC (LM) : -DILATATION, SINUSOIDAL,-MODERATE, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90809 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 717.6 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 9:45 PROSECTOR: TERRI L. WILLIAMS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-BONE MARROW SMEAR TAKEN
-ANIMAL OBESE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), LUNG (LU)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90810 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 910.8 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 9:45 PROSECTOR: GREGORY CODDINGTON RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : -DEGENERATION, CYSTIC,-MODERATELY SEVERE, MULTI-FOCAL -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-SLIGHT, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, FOCAL -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL -NECROSIS, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL -TELANGIECTASIS,-MODERATE, FOCAL
	KIDNEY (KD) : -DARK FOCUS(I)/AREA(S); RIGHT CORTEX: SINGLE BLACK AREA, 4 MM IN DIAMETER	KIDNEY (KD) : -CYST,-MODERATE, FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL
		PANCREAS (PA) : -HYPERPLASIA, ACINAR,-MINIMAL, MULTI-FOCAL -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT
	ADRENAL, CORTEX (AC) : -DARK FOCUS(I)/AREA(S); RIGHT: SINGLE DARK BROWN AREA, 2 MM IN DIAMETER	ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-MODERATELY SEVERE, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90810 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 910.8 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 9:45 PROSECTOR: GREGORY CODDINGTON RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -PIGMENT,-MINIMAL, FOCAL -THROMBUS,-MODERATE, FOCAL
		THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); POSTERIOR ASPECT: SINGLE DARK RED AREA, 1 MM IN DIAMETER -LARGE; 6 X 5 X 4 MM; APPEARS SWOLLEN	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90810 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 910.8 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 9:45 PROSECTOR: GREGORY CODDINGTON RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), LUNG (LU), URINARY BLADDER (UB)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90811 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 842.5 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 9:43 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

LIVER (LI) :
-LIGHT FOCUS(I)/AREA(S); AT JUNCTION OF RIGHT AND LEFT MEDIAN LOBES: SINGLE YELLOW FOCUS, 1 MM IN DIAMETER; COLLECTED
-RED FOCUS(I)/AREA(S); ALL LOBES, DIFFUSE: MULTIPLE DARK RED AREAS, UP TO 3 X 2 MM; COLLECTED ON ROUTINE SECTIONS

HISTOPATHOLOGY

LIVER (LI) :
-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
-LIPIDOSIS, SUBCAPSULAR (TENSION LIPIDOSIS),-SLIGHT, FOCAL
-VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL

KIDNEY (KD) :
-INFARCT,-SLIGHT, MULTI-FOCAL
-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT, MULTI-FOCAL
PANCREAS (PA) :
-CYST,-MINIMAL, FOCAL
-PIGMENT,-MINIMAL, MULTI-FOCAL
TESTIS (TE) :
-B-INTERSTITIAL CELL TUMOR,-NEOPLASM PRESENT
LUNG (LU) :
-MINERALIZATION, VASCULAR,-MINIMAL, MULTI-FOCAL
THYROID (TY) :
-CYST, ULTIMOBRANCHIAL,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90811 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 842.5 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 9:43 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, GL (ST) : -THICKENED WALL; DIFFUSE	STOMACH, GL (ST) : >UNREMARKABLE URINARY BLADDER (UB) : -CALCULUS,-PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: DARK RED; COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	LN, MANDIBULAR (MN) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90812 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 502.7 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 8:03 PROSECTOR: NANCY DIEDRICH RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>SKIN & PELAGE; BROWN HAIR COAT; PERINEAL AREA; VERIFIED AT NECROPSY: OBSERVED		-DILATATION, VENTRICULAR,-PRESENT
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) :	LIVER (LI) :
>DISCHARGE; NASAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED	-RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 5 MM IN DIAMETER; SOME ARE SUNKEN WITH A STELLATE PATTERN; COLLECTED ON ROUTINE SECTIONS	-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
		-PIGMENT,-SLIGHT, FOCAL
		-TELANGIECTASIS,-MODERATE, FOCAL
		-THROMBUS,-SLIGHT, FOCAL
		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL
		PANCREAS (PA) :
		-ATROPHY, ACINAR,-MINIMAL, MULTI-FOCAL
		LUNG (LU) :
		-MINERALIZATION, VASCULAR,-MINIMAL, FOCAL
	MUSCLE, SKELETAL (SM) :	MUSCLE, SKELETAL (SM) :
	-ATROPHY-FOCAL; BILATERAL HIND LEGS; COLLECTED ON ROUTINE SECTION	-DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL
		THYROID (TY) :
		-CYST, FOLLICULAR,-MODERATE, FOCAL
		-CYST, ULTIMOBRANCHIAL,-PRESENT
		PITUITARY (PI) :
		-B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90812 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 502.7 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 8:03 PROSECTOR: NANCY DIEDRICH RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 10 X 8 X 8 MM, RED, GRAY, TAN AND SOFT	
	SKIN (SK) : -CRUSTED AREA(S); LEFT LATERAL THORACIC REGION: SINGLE TAN, DRY, LOBULATED AND CRUSTED AREA, 5 MM IN DIAMETER (CAP 22)	SKIN (SK) : -B-KERATOACANTHOMA,-NEOPLASM PRESENT
	PROSTATE (PR) : -NODULAR; PROXIMAL, SURROUNDING URETHRA: GREEN AND FIRM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	ADIPOSE TISSUE (AT) : -MASS(ES); VENTRAL CERVICAL REGION: SINGLE MASS, 25 X 15 X 10 MM, WHITE, SOFT AND GELATINOUS; SAME ON CUT SURFACE (CAP 23); REGIONAL LN (MANDIBULAR) NORMAL (CAP 24)	ADIPOSE TISSUE (AT) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL -B-LIPOMA,-NEOPLASM PRESENT
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; PERINEUM: YELLOWISH-BROWN AND MOIST -BLOOD FILM TAKEN -DISCHARGE-NASAL; DARK RED AND DRY -STAINS - SKIN/HAIRCOAT; ABDOMINAL REGION: YELLOW AND DRY -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90812 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 502.7 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 8:03 PROSECTOR: NANCY DIEDRICH RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), URINARY BLADDER (UB), LN, MANDIBULAR (MN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90813 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/18/98 STUDY DAY OF DEATH: 52 STUDY WEEK OF DEATH: 8 TERMINAL BODY WEIGHT: 339.5 GRAMS
DATE AND TIME OF NECROPSY: 03/18/98 14:18 PROSECTOR: NANCY DIEDRICH RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>DISCHARGE; ORAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; RED HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>RESPIRATION; IRREGULAR; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

LUNG (LU) :
-DIFFUSELY RED; CRANIAL REGIONS OF ALL LOBES: DARK RED

CAVITY, ORAL (OC) :
-FRACTURE(S); EXTENDING FROM HARD PALATE TO NASAL BONE: SINGLE FRACTURE, 5 MM IN WIDTH; SURROUNDING TISSUE DARK RED; COLLECTED

GENERAL COMMENT (GC) :
-DISCHARGE-ORAL; DARK RED AND CRUSTED
-STAINS-PERINEUM/PERIANAL; DARK RED AND DRY
-BLOOD FILM TAKEN
-DISCHARGE-OCULAR; DARK RED AND CRUSTED
-MALOCCLUSION; BILATERAL: UPPER INCISORS
-STAINS - SKIN/HAIRCOAT; ABDOMEN: DARK RED AND DRY

HISTOPATHOLOGY

LUNG (LU) :
>UNREMARKABLE

HEART (HT) :
-DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL
CAUSE OF DEATH (CD) :
-FRACTURE, HARD PALATE,-PRESENT
CAVITY, ORAL (OC) :
-BACTERIAL COLONIES,-PRESENT
-FRACTURE,-PRESENT
-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
-INFLAMMATION, ACUTE,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90813 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/18/98 STUDY DAY OF DEATH: 52 STUDY WEEK OF DEATH: 8 TERMINAL BODY WEIGHT: 339.5 GRAMS
DATE AND TIME OF NECROPSY: 03/18/98 14:18 PROSECTOR: NANCY DIEDRICH RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS | NECROPSY | HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-ANIMAL THIN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90814 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 323.5 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 11:13 PROSECTOR: TODD ACKER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	9.3873	2.9018 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RIGHT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LEFT THYROID/PAR (TT0)	--------	--------	--------	NOT TAKEN
RIGHT THYROID/PR (TT1)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90814 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 323.5 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 11:13 PROSECTOR: TODD ACKER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90815 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 638.5 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 11:18 PROSECTOR: NANCY DIEDRICH RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>WART LIKE LESION(S); DORSAL; WEEK 76; 15 X 15MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL
	SPLEEN (SP) : -LARGE; 50 X 10 X 5 MM	SPLEEN (SP) : >UNREMARKABLE
	SKIN (SK) : -MASS(ES); DORSAL THORACIC REGION: SINGLE MASS, 25 X 20 X 10 MM, RED, TAN AND GELATINOUS; SAME ON CUT SURFACE; OVERLYING SURFACE IS DARK RED AND ABRADED; COLLECTED; REGIONAL LN (SEE AXILLARY)	LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL SKIN (SK) : -INFLAMMATION, ACUTE,-MODERATE, FOCAL -ULCERATION,-MODERATELY SEVERE, FOCAL -M-CARCINOMA, SQUAMOUS CELL,-NEOPLASM PRESENT URINARY BLADDER (UB) : -INFLAMMATION, CHRONIC,-MINIMAL, FOCAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90815 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 638.5 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 11:18 PROSECTOR: NANCY DIEDRICH RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LN, AXILLARY (AX) : -LARGE; RIGHT: UP TO 12 X 6 X 4 MM (LEFT IS UP TO 5 X 3 X 2 MM) (CAP 22) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOCYTIC,-SLIGHT, MULTI-FOCAL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), TESTIS (TE), THYROID (TY), PARATHYROID (PT)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90816 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/15/99 STUDY DAY OF DEATH: 598 STUDY WEEK OF DEATH: 86 TERMINAL BODY WEIGHT: 565.0 GRAMS
DATE AND TIME OF NECROPSY: 09/15/99 14:14 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED >SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE >EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE >BEHAVIOR; SENSITIVE TO TOUCH; VERIFIED AT NECROPSY: NOT APPLICABLE >BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT LIVER (LI) : -HEMORRHAGE,-MINIMAL, FOCAL -NECROSIS, HEPATOCELLULAR,-MODERATE, FOCAL KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL
	PITUITARY (PI) : -MASS(ES); 9 X 8 X 8 MM, RED, GRAY, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	PROSTATE (PR) : -NODULAR; PROXIMAL, SURROUNDING URETHRA: GREEN AND FIRM	HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE, MULTI-FOCAL CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90816 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
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DATE AND TIME OF NECROPSY: 09/15/99 14:14 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90817 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 341.5 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 11:00 PROSECTOR: TODD ACKER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	9.6870	2.8366 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RIGHT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LEFT THYROID/PAR (TT0)	--------	--------	--------	NOT TAKEN
RIGHT THYROID/PR (TT1)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90817 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 341.5 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 11:00 PROSECTOR: TODD ACKER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90818 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 515.5 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 10:27 PROSECTOR: TODD ACKER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0377	.0073 %	.0176	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0320	.0062 %	.0150	WEIGHT TAKEN
BRAIN (BR)	2.1395	.4150 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	2.1015	.4077 %	.9822	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	2.0749	.4025 %	.9698	WEIGHT TAKEN
LIVER (LI)	16.4851	3.1979 %	7.7051	WEIGHT TAKEN
LUNG (LU)	1.7990	.3490 %	.8409	WEIGHT TAKEN
SPLEEN (SP)	.8540	.1657 %	.3992	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.7136	.3324 %	.8009	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.8148	.3520 %	.8482	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0145	.0028 %	.0068	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0084	.0016 %	.0039	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

LIVER (LI) :
-VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL
KIDNEY (KD) :
-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
ADRENAL, CORTEX (AC) :
-VACUOLATION,-MINIMAL, MULTI-FOCAL
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90818 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 515.5 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 10:27 PROSECTOR: TODD ACKER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90819 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/28/99 STUDY DAY OF DEATH: 641 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/28/99 14:10 PROSECTOR: JARED FISHEL RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	EYE (EY) : -COLLAPSED GLOBE-ANTE MORTEM; LEFT: RED BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) KIDNEY (KD) : -LARGE PELVIS(ES); BILATERAL	EYE (EY) : >UNREMARKABLE BRAIN (BR) : >UNREMARKABLE KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, DIFFUSE PANCREAS (PA) : -INFLAMMATION, VASCULAR,-SLIGHT, MULTI-FOCAL -PIGMENT,-MINIMAL, MULTI-FOCAL ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATELY SEVERE, FOCAL -HEMORRHAGE,-MODERATELY SEVERE, FOCAL ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT TESTIS (TE) : -MINERALIZATION,-MINIMAL, MULTI-FOCAL LUNG (LU) : -FIBROSIS, PLEURAL/SUBPLEURAL,-MINIMAL, FOCAL HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90819 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/28/99 STUDY DAY OF DEATH: 641 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/28/99 14:10 PROSECTOR: JARED FISHEL RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT
	PITUITARY (PI) : -MASS(ES); 5 MM IN DIAMETER, DARK RED, GREY, AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		SKIN (SK) : -CYST, EPIDERMAL INCLUSION,-PRESENT
		EPIDIDYMIDES (EP) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
		MAMMARY, MALE (MM) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90819 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/28/99 STUDY DAY OF DEATH: 641 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/28/99 14:10 PROSECTOR: JARED FISHEL RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LIVER (LI), SPLEEN (SP), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90820 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/25/99 STUDY DAY OF DEATH: 485 STUDY WEEK OF DEATH: 70 TERMINAL BODY WEIGHT: 648.3 GRAMS
DATE AND TIME OF NECROPSY: 05/25/99 12:49 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; SENSITIVE TO TOUCH; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

PITUITARY (PI) :
-MASS(ES); 12 X 10 X 9 MM, RED, DARK RED, GREY, TAN AND SOFT

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-DISCHARGE-OCULAR; BILATERAL: DRY, RED MATERIAL

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
-DILATATION, VENTRICULAR,-PRESENT
LIVER (LI) :
-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
LUNG (LU) :
-MINERALIZATION, VASCULAR,-MINIMAL, FOCAL
PITUITARY (PI) :
-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
-B-ADENOMA,-NEOPLASM PRESENT
PROSTATE (PR) :
-INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL, MULTI-FOCAL
CAUSE OF DEATH (CD) :
-PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90820 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/25/99 STUDY DAY OF DEATH: 485 STUDY WEEK OF DEATH: 70 TERMINAL BODY WEIGHT: 648.3 GRAMS
DATE AND TIME OF NECROPSY: 05/25/99 12:49 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90821 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/21/99 STUDY DAY OF DEATH: 695 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/21/99 9:45 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EYES; OPAQUE; EYE-LEFT; VERIFIED AT NECROPSY: OBSERVED	EYE (EY) : -OPAQUE CORNEA; LEFT	EYE (EY) : >UNREMARKABLE
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-RIGHT; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-MINIMAL, FOCAL -VACUOLATION,-MINIMAL, FOCAL THYMUS (TH) : -CYST,-PRESENT HEART (HT) : -DEGENERATION/NECROSIS,-SLIGHT, MULTI-FOCAL -FIBROSIS,-SLIGHT, MULTI-FOCAL THYROID (TY) : -B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT PARATHYROID (PT) : >SECTION EXAMINED; TISSUE NOT PRESENT
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); LEFT POSTERIOR ASPECT: SINGLE DARK RED AREA, 2 MM IN DIAMETER	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90821 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/21/99 STUDY DAY OF DEATH: 695 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/21/99 9:45 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL CAUSE OF DEATH (CD) : -UNDETERMINED,-PRESENT
	FOOT/FOOTPAD(S) (FP) : -CRUSTED AREA(S); RIGHT HIND FOOT: SINGLE DARK RED AND DRY AREA, 12 X 10 X 7 MM; COLLECTED	FOOT/FOOTPAD(S) (FP) : -EROSION,-MODERATE, MULTI-FOCAL -FIBROSIS,-MODERATE, MULTI-FOCAL -INFLAMMATION, ACUTE,-MODERATE, MULTI-FOCAL
	GENERAL COMMENT (GC) : -ANIMAL OBESE	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90821 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/21/99 STUDY DAY OF DEATH: 695 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/21/99 9:45 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90822 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/12/99 STUDY DAY OF DEATH: 533 STUDY WEEK OF DEATH: 77 TERMINAL BODY WEIGHT: 516.1 GRAMS
DATE AND TIME OF NECROPSY: 07/12/99 14:10 PROSECTOR: TODD ACKER RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED >EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE >MASS(ES); DORSAL; WEEK 76; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; SORE/SCAB; TAIL-PROXIMAL; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) PITUITARY (PI) : -MASS(ES); SINGLE MASS, 8 X 8 X 5 MM, RED, DARK RED, GRAY, TAN AND SOFT	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT LIVER (LI) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL -VACUOLATION, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL KIDNEY (KD) : -INFARCT,-SLIGHT, MULTI-FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL -PYELONEPHRITIS,-SLIGHT, MULTI-FOCAL ADRENAL, CORTEX (AC) : -VACUOLATION,-SLIGHT, MULTI-FOCAL THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT STOMACH, NONGL (SU) : -EDEMA,-MINIMAL, MULTI-FOCAL -INFLAMMATION, ACUTE,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90822 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/12/99 STUDY DAY OF DEATH: 533 STUDY WEEK OF DEATH: 77 TERMINAL BODY WEIGHT: 516.1 GRAMS
DATE AND TIME OF NECROPSY: 07/12/99 14:10 PROSECTOR: TODD ACKER RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	SKIN (SK) : -MASS(ES); MID DORSAL LUMBAR REGION: SINGLE MASS, 17 X 15 X 9 MM, TAN AND SOFT; CUT SURFACE EXUDES A TAN, CASEOUS SEMISOLID; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	SKIN (SK) : -B-KERATOACANTHOMA,-NEOPLASM PRESENT
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	TAIL (TI) : -ABRASION/ULCERATIONS; NEAR BASE OF TAIL: SINGLE BROWN AND MOIST ABRADED AREA, 7 X 5 MM; COLLECTED	TAIL (TI) : -EROSION,-MODERATE, MULTI-FOCAL -INFLAMMATION, ACUTE,-MODERATELY SEVERE, MULTI-FOCAL -B-KERATOACANTHOMA,-NEOPLASM PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90822 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/12/99 STUDY DAY OF DEATH: 533 STUDY WEEK OF DEATH: 77 TERMINAL BODY WEIGHT: 516.1 GRAMS
DATE AND TIME OF NECROPSY: 07/12/99 14:10 PROSECTOR: TODD ACKER RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90823 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 760.0 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 9:40 PROSECTOR: TONY HANFELD RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -DEGENERATION, CYSTIC,-MODERATE, FOCAL KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL URINARY BLADDER (UB) : -CALCULUS,-PRESENT
	PROSTATE (PR) : -NODULAR; SURROUNDING URETHRA: GREEN AND FIRM	PROSTATE (PR) : -INFLAMMATION, ACUTE,-SLIGHT, MULTI-FOCAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL, UPPER INCISORS -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90823 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 760.0 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 9:40 PROSECTOR: TONY HANFELD RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), TESTIS (TE), LUNG (LU), THYROID (TY)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90824 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/09/99 STUDY DAY OF DEATH: 561 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 679.7 GRAMS
DATE AND TIME OF NECROPSY: 08/09/99 15:06 PROSECTOR: DENNIS HOFFMAN RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

LIVER (LI) :
-MASS(ES); PAPILLARY PROCESS: SINGLE MASS, 13 X 18 X 26 MM, FIRM, LOBULATED, RED, DARK RED, TAN AND YELLOW; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (HEPATIC) NOT IDENTIFIED

KIDNEY (KD) :
-LARGE PELVIS(ES); BILATERAL
-CALCULUS(I); BILATERAL, WITHIN PELVIS: MULTIPLE HARD, TAN AND WHITE CALCULI, UP TO 2 X 2 X 4 MM

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
-DILATATION, VENTRICULAR,-PRESENT

LIVER (LI) :
-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
-VACUOLATION, HEPATOCELLULAR,-SEVERE, FOCAL
-B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT

KIDNEY (KD) :
-CAST, PROTEINACEOUS,-SLIGHT, MULTI-FOCAL
-DILATATION, PELVIC,-PRESENT
-MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL

ADRENAL, CORTEX (AC) :
-VACUOLATION,-MINIMAL, FOCAL

TESTIS (TE) :
-ATROPHY/DEGENERATION,-SLIGHT, MULTI-FOCAL

THYROID (TY) :
-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
-B-ADENOMA, C-CELL,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90824 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/09/99 STUDY DAY OF DEATH: 561 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 679.7 GRAMS
DATE AND TIME OF NECROPSY: 08/09/99 15:06 PROSECTOR: DENNIS HOFFMAN RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 5 X 6 X 9 MM, SOFT, LOBULATED, RED, DARK RED AND TAN	PITUITARY (PI) : -HEMORRHAGE,-SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT PROSTATE (PR) : -INFLAMMATION, ACUTE,-SLIGHT, MULTI-FOCAL CAUSE OF DEATH (CD) : -HEPATOCELLULAR ADENOMA,-PRESENT MAMMARY, MALE (MM) : -GALACTOCELE,-MINIMAL, MULTI-FOCAL
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; MOIST YELLOW MATERIAL -BLOOD FILM TAKEN -ANIMAL OBESE	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90824 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/09/99 STUDY DAY OF DEATH: 561 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 679.7 GRAMS
DATE AND TIME OF NECROPSY: 08/09/99 15:06 PROSECTOR: DENNIS HOFFMAN RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90825 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/11/99 STUDY DAY OF DEATH: 685 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/11/99 10:10 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 10 X 5 MM; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : >UNREMARKABLE KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATELY SEVERE, DIFFUSE PANCREAS (PA) : -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT LUNG (LU) : -MINERALIZATION, VASCULAR,-SLIGHT, FOCAL THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT CAUSE OF DEATH (CD) : -CHRONIC PROGRESSIVE NEPHROPATHY,-PRESENT
	GENERAL COMMENT (GC) : -ANIMAL OBESE	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90825 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/11/99 STUDY DAY OF DEATH: 685 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/11/99 10:10 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), ADRENAL, CORTEX (AC), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90826 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/29/99 STUDY DAY OF DEATH: 642 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/29/99 13:44 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-SLIGHT, FOCAL KIDNEY (KD) : -INFARCT,-MINIMAL, FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT, MULTI-FOCAL HEART (HT) : -DEGENERATION/NECROSIS,-SLIGHT, MULTI-FOCAL -FIBROSIS,-SLIGHT, MULTI-FOCAL THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT JEJUNUM (JE) : >AUTOLYTIC ILEUM (IL) : >AUTOLYTIC PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE, MULTI-FOCAL CAUSE OF DEATH (CD) : -UNDETERMINED,-PRESENT
	LN, LUMBAR/ILIAC (LM) : -LARGE; RIGHT: 8 X 6 X 5 MM (LEFT IS 3 X 2 X 1 MM) (CAP 22)	LN, LUMBAR/ILIAC (LM) : -HYPERPLASIA, LYMPHOCYTIC,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90826 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/29/99 STUDY DAY OF DEATH: 642 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/29/99 13:44 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LN, LUMBAR/ILIAC (LM) : -DIFFUSELY RED; BILATERAL: DARK RED (CAP 22) GENERAL COMMENT (GC) : -ANIMAL OBESE	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90826 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/29/99 STUDY DAY OF DEATH: 642 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/29/99 13:44 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90827 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/11/99 STUDY DAY OF DEATH: 471 STUDY WEEK OF DEATH: 68 TERMINAL BODY WEIGHT: 924.3 GRAMS
DATE AND TIME OF NECROPSY: 05/11/99 15:02 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE >BEHAVIOR; SENSITIVE TO TOUCH; VERIFIED AT NECROPSY: NOT APPLICABLE >BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE >DISCHARGE; ORAL; CLEAR; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) PITUITARY (PI) : -MASS(ES); SINGLE MASS, 11 X 7 X 5 MM, DARK RED, SOFT AND LOBULATED	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT -HEMORRHAGE,-MODERATE, MULTI-FOCAL LIVER (LI) : -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT, MULTI-FOCAL THYROID (TY) : -HYPERPLASIA, C-CELL,-SLIGHT, FOCAL PITUITARY (PI) : -HEMORRHAGE,-SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-MINIMAL, FOCAL PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90827 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/11/99 STUDY DAY OF DEATH: 471 STUDY WEEK OF DEATH: 68 TERMINAL BODY WEIGHT: 924.3 GRAMS
DATE AND TIME OF NECROPSY: 05/11/99 15:02 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, MALE (MM) : -CYST(S); BILATERAL, PECTORAL REGIONS: MULTIPLE TAN AND CREAMY SEMIFLUID FILLED CYSTS, UP TO 3 MM IN DIAMETER (CAP 21) GENERAL COMMENT (GC) : -DISCHARGE-ORAL; CLEAR AND MOIST -BLOOD FILM TAKEN -ANIMAL OBESE	MAMMARY, MALE (MM) : -GALACTOCELE,-MODERATELY SEVERE, MULTI-FOCAL -MINERALIZATION,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90827 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/11/99 STUDY DAY OF DEATH: 471 STUDY WEEK OF DEATH: 68 TERMINAL BODY WEIGHT: 924.3 GRAMS
DATE AND TIME OF NECROPSY: 05/11/99 15:02 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90828 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 08/08/99 STUDY DAY OF DEATH: 560 STUDY WEEK OF DEATH: 80 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 08/08/99 8:38 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EYES; DILATED PUPIL; EYES; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT -HEMORRHAGE,-SLIGHT, MULTI-FOCAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-MINIMAL, FOCAL
	PITUITARY (PI) : -MASS(ES); 12 X 8 X 7 MM, DARK RED, TAN AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90828 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 08/08/99 STUDY DAY OF DEATH: 560 STUDY WEEK OF DEATH: 80 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 08/08/99 8:38 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90829 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 1188.9 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 7:39 PROSECTOR: JERALD W. JOHNSON RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 91; 20 X 15MM; VERIFIED AT NECROPSY: NOT OBSERVED >SKIN & PELAGE; SORE/SCAB; AXILLARY REGION-RIGHT; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS PANCREAS (PA) : -MASS(ES); NEAR SPLEEN: SINGLE MASS, 6 MM IN DIAMETER, RED, TAN AND FIRM; SAME ON CUT SURFACE (CAP 23); REGIONAL LN (SEE PANCREATIC) SKIN (SK) : -ABRASION(S)/ULCERATION(S); RIGHT AXILLARY REGION: SINGLE TAN, RED ABRADED AREA, 17 MM IN DIAMETER (CAP 22)	LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MODERATE, FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL -TELANGIECTASIS,-SLIGHT, MULTI-FOCAL KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -MINERALIZATION, PELVIC,-MODERATE, FOCAL PANCREAS (PA) : -ATROPHY, ACINAR,-MODERATE, MULTI-FOCAL -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT -B-ADENOMA, C-CELL,-NEOPLASM PRESENT SKIN (SK) : -INFLAMMATION, ACUTE,-SLIGHT, FOCAL -ULCERATION,-MODERATELY SEVERE, FOCAL -B-FIBROMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90829 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 1188.9 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 7:39 PROSECTOR: JERALD W. JOHNSON RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, MEDIASTINAL (ML) : -CYST(S); SINGLE CLEAR FLUID FILLED CYST, 4 MM IN DIAMETER (CAP 27)	LN, MEDIASTINAL (ML) : -DILATATION, SINUSOIDAL,-MODERATE, MULTI-FOCAL
	LN, ANT MES/PANC (AP) : -DIFFUSELY RED; (CAP 24)	LN, ANT MES/PANC (AP) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL
	LN, LUMBAR/ILIAC (LM) : -CYSTS; BILATERAL: MULTIPLE CLEAR FLUID FILLED CYSTS ON EACH, UP TO 7 MM IN DIAMETER (CAP 26)	LN, LUMBAR/ILIAC (LM) : -DILATATION, SINUSOIDAL,-MODERATE, FOCAL
	BILE DUCT (BD) : -LARGE; UP TO 2 MM IN DIAMETER (CAP 25)	BILE DUCT (BD) : -DILATED,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -ANIMAL OBESE	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90829 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 1188.9 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 7:39 PROSECTOR: JERALD W. JOHNSON RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), LUNG (LU), URINARY BLADDER (UB)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90830 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 783.7 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 13:00 PROSECTOR: GREGORY CODDINGTON RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN AREAS, UP TO 5 X 4 MM; COLLECTED ON ROUTINE SECTIONS LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: DARK RED; COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MINIMAL, FOCAL -LIPIDOSIS, SUBCAPSULAR (TENSION LIPIDOSIS),-SEVERE, FOCAL -VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, FOCAL URINARY BLADDER (UB) : -CALCULUS,-PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT LN, MANDIBULAR (MN) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90830 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 783.7 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 13:00 PROSECTOR: GREGORY CODDINGTON RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), TESTIS (TE), LUNG (LU), THYROID (TY)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90831 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 573.2 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 8:27 PROSECTOR: GREGORY CODDINGTON RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0229	.0040 %	.0100	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0237	.0041 %	.0103	WEIGHT TAKEN
BRAIN (BR)	2.2907	.3996 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	2.0209	.3526 %	.8822	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	2.0483	.3573 %	.8942	WEIGHT TAKEN
LIVER (LI)	18.1672	3.1694 %	7.9309	WEIGHT TAKEN
LUNG (LU)	1.6127	.2814 %	.7040	WEIGHT TAKEN
SPLEEN (SP)	.8274	.1443 %	.3612	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.8061	.3151 %	.7884	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.8342	.3200 %	.8007	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0125	.0022 %	.0055	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0119	.0021 %	.0052	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		ADRENAL, CORTEX (AC) : -VACUOLATION,-MINIMAL, MULTI-FOCAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL (CAP 21) GENERAL COMMENT (GC) : -BONE MARROW SMEAR TAKEN	LN, MANDIBULAR (MN) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90831 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 573.2 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 8:27 PROSECTOR: GREGORY CODDINGTON RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90832 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 854.9 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 7:34 PROSECTOR: JODI THIEREN RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; MISSING; TEETH; VERIFIED AT NECROPSY: OBSERVED	ADRENAL, CORTEX (AC) : -LARGE; LEFT: 8 MM IN DIAMETER (RIGHT IS 5 MM IN DIAMETER)	LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-SLIGHT, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL -VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL PANCREAS (PA) : -ATROPHY, ACINAR,-SLIGHT, FOCAL ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL -VACUOLATION,-MINIMAL, MULTI-FOCAL ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,- 2 NEOPLASMS PRESENT LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90832 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 854.9 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 7:34 PROSECTOR: JODI THIEREN RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		URINARY BLADDER (UB) : -CALCULUS,-PRESENT
	PROSTATE (PR) : -NODULAR; PROXIMAL, SURROUNDING URETHRA: TAN AND FIRM	PROSTATE (PR) : -MINERALIZATION, LUMINAL,-MODERATELY SEVERE, MULTI-FOCAL
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, MANDIBULAR (MN) : -LARGE; BILATERAL: UP TO 11 X 8 X 4 MM (CAP 22)	LN, MANDIBULAR (MN) : -DILATATION, SINUSOIDAL,-SLIGHT, FOCAL -HEMORRHAGE,-MINIMAL, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL, LOWER INCISORS -BONE MARROW SMEAR TAKEN -TEETH MISSING/BROKEN/WORN; LEFT UPPER INCISOR: BROKEN OFF AT BASE -ANIMAL OBESE	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90832 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 854.9 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 7:34 PROSECTOR: JODI THIEREN RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90833 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 364.3 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 9:50 PROSECTOR: DONIA MEYER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	11.3215	3.1077 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RIGHT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LEFT THYROID/PAR (TT0)	--------	--------	--------	NOT TAKEN
RIGHT THYROID/PR (TT1)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90833 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 364.3 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 9:50 PROSECTOR: DONIA MEYER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90834 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 376.7 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 10:18 PROSECTOR: TODD ACKER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	11.5017	3.0533 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RIGHT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LEFT THYROID/PAR (TT0)	--------	--------	--------	NOT TAKEN
RIGHT THYROID/PR (TT1)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90834 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 376.7 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 10:18 PROSECTOR: TODD ACKER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90835 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 634.6 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 7:55 PROSECTOR: JAMES T. CALLEN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

KIDNEY (KD) :
-LARGE PELVIS(ES); BILATERAL
-DIFFUSELY LIGHT; BILATERAL: TAN
-CYST(S); BILATERAL, DIFFUSE: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 1 MM IN DIAMETER
-LARGE; BILATERAL: EACH IS 31 X 23 X 15 MM

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-MALOCCLUSION; BILATERAL, LOWER INCISORS
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

KIDNEY (KD) :
-CYST,-SLIGHT, MULTI-FOCAL
-DILATATION, PELVIC,-PRESENT
-NEPHROPATHY, CHRONIC PROGRESSIVE,-SEVERE, DIFFUSE

PANCREAS (PA) :
-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
-B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT

TESTIS (TE) :
-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90835 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LIVER (LI), LUNG (LU), THYROID (TY), URINARY BLADDER (UB)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90836 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 513.3 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 11:13 PROSECTOR: GREGORY CODDINGTON RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0284	.0055 %	.0138	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0274	.0053 %	.0133	WEIGHT TAKEN
BRAIN (BR)	2.0529	.3999 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.8193	.3544 %	.8862	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.9550	.3809 %	.9523	WEIGHT TAKEN
LIVER (LI)	14.7082	2.8654 %	7.1646	WEIGHT TAKEN
LUNG (LU)	1.5994	.3116 %	.7791	WEIGHT TAKEN
SPLEEN (SP)	.7967	.1552 %	.3881	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.6068	.3130 %	.7827	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.5707	.3060 %	.7651	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0101	.0020 %	.0049	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0099	.0019 %	.0048	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR,-MINIMAL, DIFFUSE KIDNEY (KD) : -DEGENERATION, TUBULAR,-SLIGHT, MULTI-FOCAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL (CAP 21) GENERAL COMMENT (GC) : -BONE MARROW SMEAR TAKEN	LN, MANDIBULAR (MN) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90836 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
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DATE AND TIME OF NECROPSY: 04/29/98 11:13 PROSECTOR: GREGORY CODDINGTON RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90837 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/21/99 STUDY DAY OF DEATH: 512 STUDY WEEK OF DEATH: 74 TERMINAL BODY WEIGHT: 396.6 GRAMS
DATE AND TIME OF NECROPSY: 06/21/99 13:09 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); HEAD-MAXILLARY-RIGHT; WEEK 61; 20 X 25MM; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED >BEHAVIOR; SENSITIVE TO TOUCH; VERIFIED AT NECROPSY: NOT APPLICABLE >SKIN & PELAGE; SORE/SCAB; HEAD-MAXILLARY-RIGHT; VERIFIED AT NECROPSY: OBSERVED >EYES; RED DISCHARGE; EYE-RIGHT; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -LARGE; ALL LOBES: MARGINS APPEAR ROUNDED SKIN (SK) : -MASS(ES); RIGHT SIDE OF HEAD: SINGLE MASS, 34 X 26 X 24 MM, TAN, RED, VASCULAR AND LOBULATED; ON SECTION, EXUDES A TAN GRANULAR SEMISOLID; COLLECTED INTACT; OVERLYING SKIN HAS MULTIPLE RED, MOIST ULCERATED AREAS, UP TO 7 MM IN DIAMETER; COLLECTED INTACT WITH MASS; REGIONAL LN (SEE MANDIBULAR)	LIVER (LI) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL PITUITARY (PI) : -HYPERPLASIA,-MINIMAL, MULTI-FOCAL HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL COLON (CO) : -PARASITISM,-PRESENT SKIN (SK) : -EDEMA,-MODERATE, FOCAL -INFLAMMATION, ACUTE,-MODERATELY SEVERE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE OF DEATH: 06/21/99 STUDY DAY OF DEATH: 512 STUDY WEEK OF DEATH: 74 TERMINAL BODY WEIGHT: 396.6 GRAMS
DATE AND TIME OF NECROPSY: 06/21/99 13:09 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	URINARY BLADDER (UB) : -THICKENED WALL; DIFFUSE	URINARY BLADDER (UB) : -HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT, DIFFUSE -INFLAMMATION, CHRONIC,-MODERATE, MULTI-FOCAL PROSTATE (PR) : -INFLAMMATION, CHRONIC,-MODERATE, MULTI-FOCAL SEMINAL VESICLES (SV) : -INFLAMMATION, CHRONIC,-SLIGHT, MULTI-FOCAL CAUSE OF DEATH (CD) : -AUDITORY SEBACEOUS GLAND CARCINOMA,-PRESENT
	LN, MANDIBULAR (MN) : -LARGE; RIGHT: 7 X 4 X 2 MM (FOR COMPARISON, LEFT IS 4 X 2 X 1 MM) (CAP 21)	LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOCYTIC,-SLIGHT, DIFFUSE MAMMARY, MALE (MM) : -MINERALIZATION,-MODERATE, FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT AUDITORY SEB GL (AS) : -M-CARCINOMA,-NEOPLASM PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; RIGHT: DRY RED MATERIAL -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 06/21/99 13:09 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -GI TRACT-LARGE LUMEN; ENTIRE GI TRACT DISTENDED WITH GAS	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), RECTUM (RE), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90838 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 900.0 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 13:11 PROSECTOR: JERALD W. JOHNSON RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>WART LIKE LESION(S); MOUTH; WEEK 91; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LIVER (LI) : -LARGE; ALL LOBES KIDNEY (KD) : -ROUGH SURFACE, DIFFUSE; BILATERAL -DIFFUSELY LIGHT; BILATERAL: TAN -CYST(S); LEFT, CORTEX: SINGLE CLEAR FLUID FILLED CYST, 3 MM IN DIAMETER -LARGE; BILATERAL: EACH IS 26 X 20 X 14 MM	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : >UNREMARKABLE KIDNEY (KD) : -CYST,-MODERATELY SEVERE, MULTI-FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-SEVERE, DIFFUSE PANCREAS (PA) : -ATROPHY, ACINAR,-MINIMAL, FOCAL -INFLAMMATION, VASCULAR,-MODERATE, FOCAL -PIGMENT,-MINIMAL, FOCAL LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT, FOCAL -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL
	HEART (HT) : -LIGHT FOCUS(I)/AREA(S); EPICARDIUM OF BOTH VENTRICLES: MULTIPLE GRAY INDISTINCT AREAS	HEART (HT) : -DEGENERATION/NECROSIS,-SLIGHT, MULTI-FOCAL -FIBROSIS,-SLIGHT, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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DATE AND TIME OF NECROPSY: 01/26/00 13:11 PROSECTOR: JERALD W. JOHNSON RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYROID (TY) : -HEMORRHAGE,-SLIGHT, FOCAL -B-ADENOMA, C-CELL,-NEOPLASM PRESENT -B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -LARGE; 5 X 5 X 4 MM; APPEARS SWOLLEN	PITUITARY (PI) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	SKIN (SK) : -RAISED AREA(S); LEFT UPPER LIP: SINGLE RED, TAN, RAISED AREA, 4 X 3 X 2 MM (CAP 22)	SKIN (SK) : >UNREMARKABLE
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -ANIMAL OBESE	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 01/26/00 13:11 PROSECTOR: JERALD W. JOHNSON RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), URINARY BLADDER (UB)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90839 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/19/99 STUDY DAY OF DEATH: 693 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/19/99 15:03 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; SWOLLEN; LIMB-HIND-LEFT; VERIFIED AT NECROPSY: NOT OBSERVED	LIVER (LI) : -LARGE; ALL LOBES	LIVER (LI) : >UNREMARKABLE
>SKIN & PELAGE; BROWN HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED	KIDNEY (KD) : -LARGE; RIGHT: 31 X 21 X 15 MM (LEFT, SEE MASS COMMENT) -MASS(ES); INVOLVING ENTIRE LEFT: SINGLE MASS, 55 X 50 X 45 MM, RED, DARK RED, GREY, TAN, VASCULAR, LOBULATED AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (RENAL) NORMAL (CAP 23)	KIDNEY (KD) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -NECROSIS,-MODERATELY SEVERE, MULTI-FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATELY SEVERE, DIFFUSE -M-NEPHROBLASTOMA,-NEOPLASM PRESENT
>SKIN & PELAGE; SORE/SCAB; VENTRAL-CERVICAL; VERIFIED AT NECROPSY: OBSERVED		ADRENAL, CORTEX (AC) : -VACUOLATION,-SLIGHT, MULTI-FOCAL
		TESTIS (TE) : -INFLAMMATION, CHRONIC,-SLIGHT, MULTI-FOCAL
	LUNG (LU) : -UNCOLLAPSED; ALL LOBES	LUNG (LU) : -HEMORRHAGE,-SLIGHT, FOCAL -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL, FOCAL
		HEART (HT) : -DEGENERATION/NECROSIS,-SLIGHT, MULTI-FOCAL -FIBROSIS,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90839 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/19/99 STUDY DAY OF DEATH: 693 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/19/99 15:03 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PARATHYROID (PT) : -HYPERPLASIA,-MODERATELY SEVERE, DIFFUSE PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT RECTUM (RE) : -PARASITISM,-PRESENT
	SKIN (SK) : -CRUSTED AREA(S); MID VENTRAL THORACIC REGION: SINGLE DRY, DARK RED CRUSTED AREA, 5 X 4 MM (CAP 22); POSSIBLY CONSISTENT WITH SCAB (CERVICAL REGION) AS NOTED IN CLINICAL OBSERVATIONS	SKIN (SK) : -INFLAMMATION, ACUTE,-MINIMAL, FOCAL -B-PAPILLOMA, SQUAMOUS CELL,-NEOPLASM PRESENT
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL CAUSE OF DEATH (CD) : -NEPHROBLASTOMA,-PRESENT LN, RENAL (RL) : -DILATATION, SINUSOIDAL,-MINIMAL, MULTI-FOCAL
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; BOTH REGIONS, EXTENDING TO VENTRAL ABDOMINAL REGION: DRY, BROWN MATERIAL	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90839 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/19/99 STUDY DAY OF DEATH: 693 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/19/99 15:03 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90840 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 810.4 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 8:44 PROSECTOR: JARED FISHEL RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAWS-HIND; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; BROWN HAIR COAT; PERINEAL AREA; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION LN, MESENTERIC (MS) : -LARGE; UP TO 8 MM IN DIAMETER -DIFFUSELY RED; DARK RED	LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL PANCREAS (PA) : -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT LN, MESENTERIC (MS) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT, MULTI-FOCAL -M-HEMANGIOSARCOMA,-NEOPLASM PRESENT LUNG (LU) : -MINERALIZATION, VASCULAR,-SLIGHT, FOCAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT FOOT/FOOTPAD(S) (FP) : -EDEMA,-MODERATELY SEVERE, MULTI-FOCAL -EROSION,-MODERATELY SEVERE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90840 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 810.4 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 8:44 PROSECTOR: JARED FISHEL RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	FOOT/FOOTPAD(S) (FP) : -CRUSTED AREA(S); BILATERAL, HINDFEET: SINGLE DARK RED AND MOIST CRUSTED AREA ON EACH, RIGHT IS 15 MM IN DIAMETER, LEFT IS 17 X 12 MM; BOTH COLLECTED GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; INVOLVING ENTIRE PERIANAL REGION: BROWN AND MOIST -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	FOOT/FOOTPAD(S) (FP) : -EXOSTOSES,-MODERATELY SEVERE, MULTIFOCAL -INFLAMMATION, ACUTE,-MODERATE, MULTIFOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90840 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 810.4 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 8:44 PROSECTOR: JARED FISHEL RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), THYROID (TY), URINARY BLADDER (UB)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90841 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/03/99 STUDY DAY OF DEATH: 677 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 504.1 GRAMS
DATE AND TIME OF NECROPSY: 12/03/99 14:21 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED	EYE (EY) :	EYE (EY) :
	-OPAQUE CORNEA; LEFT	-FIBROSIS, CORNEAL,-MODERATE, MULTI-FOCAL
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED	-COLLAPSED GLOBE-ANTE MORTEM; LEFT	-INFLAMMATION, ACUTE, CORNEAL,-MODERATE, MULTI-FOCAL
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		-VASCULARIZATION, CORNEAL,-MODERATELY SEVERE, MULTI-FOCAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED		LIVER (LI) :
		-HYPERPLASIA, BILE DUCT,-SLIGHT, MULTI-FOCAL
>EYES; DISCOLORED/LIGHT RED; EYES; VERIFIED AT NECROPSY: NOT APPLICABLE		-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE		-PYELONEPHRITIS,-SLIGHT, MULTI-FOCAL
		PANCREAS (PA) :
		-INFLAMMATION, VASCULAR,-MODERATE, MULTI-FOCAL
		-PIGMENT,-MINIMAL, MULTI-FOCAL
	ADRENAL, CORTEX (AC) :	ADRENAL, CORTEX (AC) :
	-SMALL; LEFT: 3 X 3 X 2 MM (RIGHT IS 5 X 4 X 3 MM)	-DEGENERATION, CYSTIC, CORTICAL,-MINIMAL, MULTI-FOCAL
		-PIGMENT,-MINIMAL, MULTI-FOCAL
		-VACUOLATION,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90841 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/03/99 STUDY DAY OF DEATH: 677 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 504.1 GRAMS
DATE AND TIME OF NECROPSY: 12/03/99 14:21 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,- 2 NEOPLASMS PRESENT
	TESTIS (TE) : -SMALL; BILATERAL: BOTH ARE 17 X 10 X 5 MM; BOTH ARE SOFT	TESTIS (TE) : -ATROPHY/DEGENERATION,-SLIGHT, DIFFUSE
		THYMUS (TH) : >SECTION EXAMINED; TISSUE NOT PRESENT
		LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT, MULTI-FOCAL
		PARATHYROID (PT) : -HYPERPLASIA,-MODERATE, DIFFUSE
	PITUITARY (PI) : -DIFFUSELY RED	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE, MULTI-FOCAL -MINERALIZATION, LUMINAL,-MINIMAL, FOCAL
	SEMINAL VESICLES (SV) : -SMALL; BILATERAL: LEFT IS 15 X 10 X 10 MM, RIGHT IS 15 X 6 X 2 MM -MOTTLED; LEFT: RED, TAN AND BROWN	SEMINAL VESICLES (SV) : >UNREMARKABLE
		CAUSE OF DEATH (CD) : -UNDETERMINED,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90841 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/03/99 STUDY DAY OF DEATH: 677 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 504.1 GRAMS
DATE AND TIME OF NECROPSY: 12/03/99 14:21 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LN, MEDIASTINAL (ML) : -DIFFUSELY RED; DARK RED (CAP 22)	LN, MEDIASTINAL (ML) : -DILATATION, SINUSOIDAL,-SLIGHT, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL -INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT, MULTI-FOCAL
	FOOT/FOOTPAD(S) (FP) : -CRUSTED AREA(S); LEFT HINDFOOT: SINGLE TAN AREA, 4 MM IN DIAMETER; COLLECTED	FOOT/FOOTPAD(S) (FP) : -EDEMA,-MODERATELY SEVERE, MULTI-FOCAL -EROSION,-MODERATE, FOCAL -FIBROSIS,-MODERATELY SEVERE, FOCAL -INFLAMMATION, ACUTE,-MODERATELY SEVERE, MULTI-FOCAL
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; EXTENDING INTO VENTRAL ABDOMINAL REGION: YELLOW -BLOOD FILM TAKEN -FLUID-THORACIC CAVITY; CLEAR FLUID	AORTA (AO) : -MINERALIZATION,-SLIGHT, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90841 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/03/99 STUDY DAY OF DEATH: 677 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 504.1 GRAMS
DATE AND TIME OF NECROPSY: 12/03/99 14:21 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
BRAIN (BR), SPLEEN (SP), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90842 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 559.2 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 7:42 PROSECTOR: TERRI L. WILLIAMS RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); DIAPHRAGMATIC SURFACE OF RIGHT MEDIAN LOBE: SINGLE RED AREA, 2 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION LN, MESENTERIC (MS) : -MOTTLED; DARK RED AND TAN TESTIS (TE) : -SMALL; LEFT: 18 X 8 X 7 MM (RIGHT IS 25 X 15 X 8 MM)	LIVER (LI) : -DEGENERATION, CYSTIC,-MODERATELY SEVERE, FOCAL -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MODERATE, FOCAL -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL PANCREAS (PA) : -ATROPHY, ACINAR,-MINIMAL, MULTI-FOCAL LN, MESENTERIC (MS) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL, MULTI-FOCAL TESTIS (TE) : -ATROPHY/DEGENERATION,-MODERATELY SEVERE, MULTI-FOCAL -B-INTERSTITIAL CELL TUMOR,-NEOPLASM PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90842 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 559.2 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 7:42 PROSECTOR: TERRI L. WILLIAMS RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LN, MANDIBULAR (MN) : -MOTTLED; BILATERAL: RED AND TAN (CAP 22) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	LN, MANDIBULAR (MN) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), THYROID (TY), URINARY BLADDER (UB)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90843 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 523.7 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 13:09 PROSECTOR: GREGORY CODDINGTON RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0292	.0056 %	.0128	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0292	.0056 %	.0128	WEIGHT TAKEN
BRAIN (BR)	2.2810	.4356 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.8280	.3491 %	.8014	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.8980	.3624 %	.8321	WEIGHT TAKEN
LIVER (LI)	17.8078	3.4004 %	7.8070	WEIGHT TAKEN
LUNG (LU)	1.7571	.3355 %	.7703	WEIGHT TAKEN
SPLEEN (SP)	.7643	.1459 %	.3351	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.5660	.2990 %	.6865	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.5425	.2945 %	.6762	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0126	.0024 %	.0055	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0108	.0021 %	.0047	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

LIVER (LI) :
-HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR,-MINIMAL, DIFFUSE
-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
-VACUOLATION, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90843 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 523.7 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 13:09 PROSECTOR: GREGORY CODDINGTON RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90844 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 669.1 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 13:24 PROSECTOR: TERRI L. WILLIAMS RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; SWOLLEN; PAW-HIND-RIGHT; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -MOTTLED; ALL LOBES: RED AND TAN	LIVER (LI) : -DEGENERATION, CYSTIC,-SLIGHT, FOCAL -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MODERATE, MULTI-FOCAL -VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL PANCREAS (PA) : -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT THYROID (TY) : -CYST, FOLLICULAR,-SLIGHT, FOCAL -CYST, ULTIMOBRANCHIAL,-PRESENT -HYPERPLASIA, C-CELL,-SLIGHT, FOCAL
	PITUITARY (PI) : -LARGE; 6 X 4 X 3 MM STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: SINGLE TAN AND BROWN ERODED AREA, 8 X 2 MM -THICKENED WALL; DIFFUSE	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT STOMACH, NONGL (SU) : -EDEMA,-MODERATELY SEVERE, MULTI-FOCAL -EROSION,-MODERATE, MULTI-FOCAL URINARY BLADDER (UB) : -CALCULUS,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90844 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 669.1 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 13:24 PROSECTOR: TERRI L. WILLIAMS RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PROSTATE (PR) : -NODULAR; PROXIMAL, SURROUNDING URETHRA: GREEN AND FIRM JOINT, OTHER (JT) : -LARGE; RIGHT TARSAL JOINT: 17 MM IN DIAMETER (LEFT IS 10 MM IN DIAMETER); COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	PROSTATE (PR) : -INFLAMMATION, CHRONIC,-MODERATE, MULTI-FOCAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT JOINT, OTHER (JT) : -EDEMA,-MODERATELY SEVERE, MULTI-FOCAL -EXOSTOSES,-MODERATE, MULTI-FOCAL -INFLAMMATION, ACUTE,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90844 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 669.1 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 13:24 PROSECTOR: TERRI L. WILLIAMS RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), LUNG (LU)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90845 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/26/99 STUDY DAY OF DEATH: 547 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 645.2 GRAMS
DATE AND TIME OF NECROPSY: 07/26/99 13:35 PROSECTOR: LYNN HORNER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>SKIN & PELAGE; BROWN HAIR COAT; GENERALIZED; VERIFIED AT NECROPSY: NOT OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); LEFT LATERAL LOBE: MULTIPLE DARK RED AREAS, UP TO 4 X 3 MM; COLLECTED ON ROUTINE SECTION	LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-MODERATELY SEVERE, MULTI-FOCAL
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		
>SKIN & PELAGE; BROWN SKIN; PAWS-ALL; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-SLIGHT, MULTI-FOCAL -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
		LN, MESENTERIC (MS) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL, MULTI-FOCAL
		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 8 X 7 X 6 MM, DARK RED, GREY AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	PROSTATE (PR) : -NODULAR; PROXIMAL, SURROUNDING URETHRA: GREEN AND FIRM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90845 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/26/99 STUDY DAY OF DEATH: 547 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 645.2 GRAMS
DATE AND TIME OF NECROPSY: 07/26/99 13:35 PROSECTOR: LYNN HORNER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-STAINS-PERINEUM/PERIANAL; PERIANAL
REGION: MOIST BROWN MATERIAL
-BLOOD FILM TAKEN
-STAINS - SKIN/HAIRCOAT; ALL FOUR
FEET: DARK BROWN, MOIST MATERIAL

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90845 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/26/99 STUDY DAY OF DEATH: 547 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 645.2 GRAMS
DATE AND TIME OF NECROPSY: 07/26/99 13:35 PROSECTOR: LYNN HORNER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90846 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 324.2 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 11:45 PROSECTOR: TODD ACKER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	9.5115	2.9338 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RIGHT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LEFT THYROID/PAR (TT0)	--------	--------	--------	NOT TAKEN
RIGHT THYROID/PR (TT1)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90846 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 324.2 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 11:45 PROSECTOR: TODD ACKER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90847 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/13/99 STUDY DAY OF DEATH: 687 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: 389.8 GRAMS
DATE AND TIME OF NECROPSY: 12/13/99 14:40 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
		-DILATATION, VENTRICULAR,-PRESENT
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) :	LIVER (LI) :
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED	-LIGHT FOCUS(I)/AREA(S); RIGHT MEDIAN LOBE, ALONG MARGIN NEAR HILUS: SINGLE TAN AREA, 7 X 3 MM; COLLECTED ON ROUTINE SECTION	-LIPIDOSIS, SUBCAPSULAR (TENSION LIPIDOSIS),-SEVERE, FOCAL
		-VACUOLATION, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: NOT OBSERVED	-DARK FOCUS(I)/AREA(S); DIAPHRAGMATIC SURFACE OF LEFT LATERAL LOBE: SINGLE BROWN FOCUS, 1 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION	
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		
		KIDNEY (KD) :
		-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
		PANCREAS (PA) :
		-ATROPHY, ACINAR,-SEVERE, DIFFUSE
	ADRENAL, CORTEX (AC) :	ADRENAL, CORTEX (AC) :
	-SMALL; LEFT: 4 MM IN DIAMETER (RIGHT IS 6 MM IN DIAMETER)	-VACUOLATION,-MINIMAL, MULTI-FOCAL
		LN, MESENTERIC (MS) :
		-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
		LUNG (LU) :
		-MINERALIZATION,-MINIMAL, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90847 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
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DATE AND TIME OF NECROPSY: 12/13/99 14:40 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT
	PITUITARY (PI) : -MASS(ES); 10 X 9 X 9 MM, RED, GREY, TAN AND SOFT PROSTATE (PR) : -NODULAR; PROXIMAL, SURROUNDING URETHRA: GREEN AND FIRM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE, MULTI-FOCAL CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY, RED MATERIAL -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90847 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
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DATE AND TIME OF NECROPSY: 12/13/99 14:40 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90848 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/05/99 STUDY DAY OF DEATH: 526 STUDY WEEK OF DEATH: 76 TERMINAL BODY WEIGHT: 973.1 GRAMS
DATE AND TIME OF NECROPSY: 07/05/99 11:22 PROSECTOR: TROY ELLENBECKER RECORDER: TROY ELLENBECKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED
>DISCHARGE; NASAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED
>RESPIRATION; AUDIBLE; VERIFIED AT NECROPSY: NOT APPLICABLE
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

LIVER (LI) :
-MOTTLED; ALL LOBES: RED AND TAN

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN

HISTOPATHOLOGY

LIVER (LI) :
-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
-VACUOLATION, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL
KIDNEY (KD) :
-MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
ADRENAL, CORTEX (AC) :
-DEGENERATION, CYSTIC, CORTICAL,-MODERATE, MULTI-FOCAL
-VACUOLATION,-SLIGHT, FOCAL
THYROID (TY) :
-CYST, ULTIMOBRANCHIAL,-PRESENT
PITUITARY (PI) :
-B-ADENOMA,-NEOPLASM PRESENT
PROSTATE (PR) :
-INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL
CAUSE OF DEATH (CD) :
-UNDETERMINED,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90848 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
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DATE AND TIME OF NECROPSY: 07/05/99 11:22 PROSECTOR: TROY ELLENBECKER RECORDER: TROY ELLENBECKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-DISCHARGE-OCULAR; RIGHT: DRY RED MATERIAL
-DISCHARGE-NASAL; DRY RED MATERIAL
-MALOCCLUSION; BILATERAL: UPPER INCISORS
GENERAL INFORMATION (XX) :
>NOTE:>RED DISCHARGE (LEFT EYE) NOTED IN CLINICAL OBSERVATIONS WAS NOT SEEN AT NECROPSY

HISTOPATHOLOGY

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE OF DEATH: 07/05/99 STUDY DAY OF DEATH: 526 STUDY WEEK OF DEATH: 76 TERMINAL BODY WEIGHT: 973.1 GRAMS
DATE AND TIME OF NECROPSY: 07/05/99 11:22 PROSECTOR: TROY ELLENBECKER RECORDER: TROY ELLENBECKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90849 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/19/99 STUDY DAY OF DEATH: 540 STUDY WEEK OF DEATH: 78 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 07/19/99 11:20 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-RIGHT; VERIFIED AT NECROPSY: OBSERVED >BEHAVIOR; SENSITIVE TO TOUCH; VERIFIED AT NECROPSY: NOT APPLICABLE >APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED >EXCRETION; NONFORMED FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) PITUITARY (PI) : -MASS(ES); 8 MM IN DIAMETER, RED, DARK RED, TAN AND SOFT	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT LIVER (LI) : -HYPERPLASIA, BILE DUCT,-SLIGHT, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT CECUM (CE) : -PARASITISM,-PRESENT PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE, MULTI-FOCAL CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90849 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/19/99 STUDY DAY OF DEATH: 540 STUDY WEEK OF DEATH: 78 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 07/19/99 11:20 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LN, LUMBAR/ILIAC (LM) : -LARGE; BILATERAL, LUMBAR: LEFT IS 9 X 3 X 2 MM, RIGHT IS 13 X 7 X 5 MM (CAP 22)	LN, LUMBAR/ILIAC (LM) : -DILATATION, SINUSOIDAL,-MODERATE, MULTI-FOCAL -HYPERPLASIA, LYMPHOCYTIC,-MODERATE, MULTI-FOCAL MAMMARY, MALE (MM) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL
	FOOT/FOOTPAD(S) (FP) : -ABRASION(S)/ULCERATION(S); RIGHT HINDFOOT: SINGLE RED, TAN, MOIST, SLIGHTLY RAISED ABRADED AREA, 13 X 10 X 4 MM; COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	FOOT/FOOTPAD(S) (FP) : -EROSION,-MODERATE, FOCAL -FIBROSIS,-MODERATE, FOCAL -INFLAMMATION, ACUTE,-SLIGHT, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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DATE AND TIME OF NECROPSY: 07/19/99 11:20 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90850 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 579.1 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 13:02 PROSECTOR: TERRI L. WILLIAMS RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-RIGHT; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE RED AREAS, PINPOINT AND UP TO 1 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS KIDNEY (KD) : -LARGE PELVIS(ES); LEFT -ROUGH SURFACE, DIFFUSE; LEFT -SMALL; LEFT: 19 X 10 X 8 MM (RIGHT IS 24 X 15 X 10 MM) ADRENAL, CORTEX (AC) : -LARGE; LEFT: 6 MM IN DIAMETER (RIGHT IS 4 X 3 X 2 MM)	LIVER (LI) : -DEGENERATION, CYSTIC,-MINIMAL, FOCAL -INFLAMMATION, CHRONIC,-SLIGHT, MULTI-FOCAL KIDNEY (KD) : -CYST,-MODERATE, MULTI-FOCAL -DILATATION, PELVIC,-PRESENT -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-MINIMAL, FOCAL ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT LUNG (LU) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL THYROID (TY) : -NECROSIS,-MODERATE, FOCAL -M-CARCINOMA, FOLLICULAR CELL,-NEOPLASM PRESENT PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90850 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 579.1 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 13:02 PROSECTOR: TERRI L. WILLIAMS RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -LIGHT FOCUS(I)/AREA(S); MID ANTERIOR ASPECT: SINGLE TAN AREA, 2 MM IN DIAMETER	
	STOMACH, GL (ST) : -EROSION/ULCERATION; MUCOSA: MULTIPLE TAN ERODED AREAS, UP TO 4 X 3 MM	STOMACH, GL (ST) : -EDEMA,-MODERATE, MULTI-FOCAL -EROSION,-MODERATE, MULTI-FOCAL -FIBROSIS,-MODERATE, FOCAL -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL
	PROSTATE (PR) : -NODULAR; PROXIMAL, SURROUNDING URETHRA: GREEN AND FIRM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL, MULTI-FOCAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	FOOT/FOOTPAD(S) (FP) : -CRUSTED AREA(S); RIGHT HINDFOOT: SINGLE DARK RED AND TAN AREA, 4 MM IN DIAMETER; COLLECTED	FOOT/FOOTPAD(S) (FP) : -EDEMA,-MODERATE, FOCAL -EROSION,-SLIGHT, FOCAL -FIBROSIS,-MODERATE, FOCAL -INFLAMMATION, ACUTE,-MINIMAL, FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; RIGHT: RED -MALOCCLUSION; BILATERAL, UPPER INCISORS -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90850 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 579.1 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 13:02 PROSECTOR: TERRI L. WILLIAMS RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), TESTIS (TE), URINARY BLADDER (UB)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90851 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 792.9 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 8:11 PROSECTOR: MICHELE MARGGI RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAWS-HIND; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN, SLIGHTLY RAISED AREAS, UP TO 3 X 2 MM; COLLECTED ON ROUTINE SECTIONS -DIFFUSELY LIGHT; ALL LOBES: TAN -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED FOCI, PINPOINT AND UP TO 2 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL -B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT
		PANCREAS (PA) : -ATROPHY, ACINAR,-MINIMAL, FOCAL -PIGMENT,-MINIMAL, FOCAL
		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, MULTI-FOCAL
	PITUITARY (PI) : -DARK FOCUS(I)/AREA(S); LEFT ASPECT: SINGLE DARK BROWN AREA, 2 X 1 MM	PITUITARY (PI) : -CYST,-PRESENT -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	URINARY BLADDER (UB) : -CALCULUS(I); WITHIN LUMEN: SINGLE TAN AND FIRM CALCULUS, 10 X 5 X 5 MM; COLLECTED INTACT	URINARY BLADDER (UB) : >UNREMARKABLE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90851 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 792.9 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 8:11 PROSECTOR: MICHELE MARGGI RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, LUMBAR/ILIAC (LM) : -LARGE; BILATERAL: EACH IS UP TO 10 X 6 X 6 MM (CAP 22)	LN, LUMBAR/ILIAC (LM) : -DILATATION, SINUSOIDAL,-SLIGHT, MULTI-FOCAL -HYPERPLASIA, LYMPHOCYTIC,-SLIGHT, MULTI-FOCAL
	FOOT/FOOTPAD(S) (FP) : -ABRASION(S)/ULCERATION(S); BILATERAL HINDFEET: SINGLE DARK BROWN ABRADED AREA ON EACH, LEFT IS 9 X 7 X 5 MM, RIGHT IS 5 MM IN DIAMETER; BOTH COLLECTED	FOOT/FOOTPAD(S) (FP) : -EDEMA,-MODERATE, MULTI-FOCAL -EROSION,-MODERATE, MULTI-FOCAL -FIBROSIS,-SLIGHT, MULTI-FOCAL -INFLAMMATION, ACUTE,-MODERATE, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90851 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 792.9 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 8:11 PROSECTOR: MICHELE MARGGI RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
KIDNEY (KD), TESTIS (TE), THYROID (TY)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90852 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 508.5 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 14:17 PROSECTOR: GREGORY CODDINGTON RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0262	.0052 %	.0120	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0277	.0054 %	.0126	WEIGHT TAKEN
BRAIN (BR)	2.1921	.4311 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.9487	.3832 %	.8890	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.9761	.3886 %	.9015	WEIGHT TAKEN
LIVER (LI)	15.8553	3.1181 %	7.2329	WEIGHT TAKEN
LUNG (LU)	1.7581	.3457 %	.8020	WEIGHT TAKEN
SPLEEN (SP)	.6186	.1217 %	.2822	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.7403	.3422 %	.7939	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.8014	.3543 %	.8218	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0134	.0026 %	.0061	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0151	.0030 %	.0069	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90852 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 508.5 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 14:17 PROSECTOR: GREGORY CODDINGTON RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90853 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 305.1 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 10:46 PROSECTOR: DONIA MEYER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	9.4927	3.1113 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RIGHT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LEFT THYROID/PAR (TT0)	--------	--------	--------	NOT TAKEN
RIGHT THYROID/PR (TT1)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90853 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 305.1 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 10:46 PROSECTOR: DONIA MEYER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90854 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 746.2 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 8:02 PROSECTOR: GREGORY CODDINGTON RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BLOOD FILM TAKEN
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

LIVER (LI) :
-DEGENERATION, CYSTIC,-MODERATELY SEVERE, MULTI-FOCAL
-FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MODERATELY SEVERE, MULTI-FOCAL
-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
KIDNEY (KD) :
-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
LUNG (LU) :
-MINERALIZATION, VASCULAR,-MINIMAL, FOCAL
THYROID (TY) :
-CYST, ULTIMOBRANCHIAL,-PRESENT
-B-ADENOMA, C-CELL,-NEOPLASM PRESENT
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 01/26/00 8:02 PROSECTOR: GREGORY CODDINGTON RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), TESTIS (TE), URINARY BLADDER (UB)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90855 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 779.2 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 8:32 PROSECTOR: JAMES T. CALLEN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>WART LIKE LESION(S); DORSAL-CERVICAL-LEFT; WEEK 105; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -MINERALIZATION, PELVIC,-MODERATE, FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL PANCREAS (PA) : -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT
	LN, MESENTERIC (MS) : -DIFFUSELY RED; DARK RED	LN, MESENTERIC (MS) : >UNREMARKABLE LUNG (LU) : -FIBROSIS, PLEURAL/SUBPLEURAL,-SLIGHT, MULTI-FOCAL -INFLAMMATION, CHRONIC,-SLIGHT, MULTI-FOCAL
	SKIN (SK) : -CRUSTED AREA(S); MID DORSAL CERVICAL REGION: SINGLE DRY BROWN CRUSTED AREA, 10 MM IN DIAMETER (CAP 22)	SKIN (SK) : -B-KERATOACANTHOMA,-NEOPLASM PRESENT
		URINARY BLADDER (UB) : -INFLAMMATION, CHRONIC,-MINIMAL, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90855 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 779.2 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 8:32 PROSECTOR: JAMES T. CALLEN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), THYROID (TY)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90856 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 897.9 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 7:39 PROSECTOR: TONY HANFELD RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -DEGENERATION, CYSTIC,-MODERATE, MULTI-FOCAL -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MODERATELY SEVERE, MULTI-FOCAL -VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL
	KIDNEY (KD) : -LARGE PELVIS(ES); RIGHT	KIDNEY (KD) : -DILATATION, PELVIC,-PRESENT -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
		PANCREAS (PA) : -ATROPHY, ACINAR,-MINIMAL, MULTI-FOCAL
	ADRENAL, CORTEX (AC) : -MASS(ES); LEFT: SINGLE MASS, 19 X 15 X 11 MM, RED, DARK RED, TAN, SOFT AND LOBULATED; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (SEE RENAL)	ADRENAL, CORTEX (AC) : >UNREMARKABLE
		ADRENAL, MEDULLA (MA) : -NECROSIS,-MODERATE, MULTI-FOCAL -M-MALIGNANT PHEOCHROMOCYTOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90856 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 897.9 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 7:39 PROSECTOR: TONY HANFELD RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		TESTIS (TE) : -ATROPHY/DEGENERATION,-SEVERE, DIFFUSE
		THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, RENAL (RL) : -DIFFUSELY RED; BILATERAL: DARK RED (CAP 22)	LN, RENAL (RL) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -ANIMAL OBESE	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90856 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 897.9 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 7:39 PROSECTOR: TONY HANFELD RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), URINARY BLADDER (UB)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90857 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/14/00 STUDY DAY OF DEATH: 719 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 452.5 GRAMS
DATE AND TIME OF NECROPSY: 01/14/00 7:54 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		-DILATATION, VENTRICULAR,-PRESENT
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE	KIDNEY (KD) :	LIVER (LI) :
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	-LARGE PELVIS(ES); BILATERAL	-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT, MULTI-FOCAL
		TESTIS (TE) :
		-MINERALIZATION,-MINIMAL, FOCAL
		SPINAL CORD (SC) :
		-VACUOLATION, WHITE MATTER,-MINIMAL, MULTI-FOCAL
		LUNG (LU) :
		-MINERALIZATION, VASCULAR,-MINIMAL, FOCAL
		HEART (HT) :
		-DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 14 X 10 X 5 MM, TAN, GRAY, AND SOFT	-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90857 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/14/00 STUDY DAY OF DEATH: 719 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 452.5 GRAMS
DATE AND TIME OF NECROPSY: 01/14/00 7:54 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: SINGLE DARK BROWN AREA, 2 MM IN DIAMETER	STOMACH, GL (ST) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL, MULTI-FOCAL PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE, MULTI-FOCAL CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	FOOT/FOOTPAD(S) (FP) : -ABRASION(S)/ULCERATION(S); LEFT HIND FOOT: SINGLE DARK RED AND MOIST ABRADED AREA, 11 X 10 X 7 MM; COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN	FOOT/FOOTPAD(S) (FP) : -EDEMA,-MODERATELY SEVERE, FOCAL -EROSION,-MODERATELY SEVERE, FOCAL -FIBROSIS,-MODERATE, FOCAL -INFLAMMATION, ACUTE,-MODERATE, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90857 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/14/00 STUDY DAY OF DEATH: 719 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 452.5 GRAMS
DATE AND TIME OF NECROPSY: 01/14/00 7:54 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), THYMUS (TH), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90858 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 581.4 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 8:43 PROSECTOR: JODI THIEREN RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 2 MM IN DIAMETER; SOME ARE SUNKEN WITH A STELLATE PATTERN; COLLECTED ON ROUTINE SECTIONS PANCREAS (PA) : -MASS(ES); ALONG SPLEEN: SINGLE MASS, 3 MM IN DIAMETER, TAN AND FIRM; COLLECTED INTACT WITH SPLEEN; REGIONAL LN (SEE PANCREATIC) THYROID (TY) : -LARGE; LEFT: 9 X 6 X 4 MM (RIGHT IS 6 X 2 X 1 MM) CECUM (CE) : -THICKENED WALL; DIFFUSE	LIVER (LI) : -DEGENERATION, CYSTIC,-MODERATE, FOCAL -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-SLIGHT, FOCAL -VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL PANCREAS (PA) : -ATROPHY, ACINAR,-MODERATE, MULTI-FOCAL -M-CARCINOMA, ISLET CELL,-NEOPLASM PRESENT THYROID (TY) : -M-CARCINOMA, C-CELL,-NEOPLASM PRESENT CECUM (CE) : >UNREMARKABLE URINARY BLADDER (UB) : -CALCULUS,-PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90858 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 581.4 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 8:43 PROSECTOR: JODI THIEREN RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LN, ANT MES/PANC (AP) : -DIFFUSELY RED; DARK RED (CAP 22)	LN, ANT MES/PANC (AP) : -DILATATION, SINUSOIDAL,-MODERATE, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -N-ISLET CELL CARCINOMA,-NEOPLASM PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -ANIMAL OBESE	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90858 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 581.4 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 8:43 PROSECTOR: JODI THIEREN RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), LUNG (LU)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90859 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/19/99 STUDY DAY OF DEATH: 479 STUDY WEEK OF DEATH: 69 TERMINAL BODY WEIGHT: 538.6 GRAMS
DATE AND TIME OF NECROPSY: 05/19/99 15:17 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED >SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED >RESPIRATION; AUDIBLE; VERIFIED AT NECROPSY: NOT APPLICABLE >BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) TESTIS (TE) : -SMALL; BILATERAL: EACH IS 15 X 10 X 3 MM; BOTH ARE SOFT PITUITARY (PI) : -MASS(ES); 10 X 8 X 8 MM, DARK RED, BROWN, AND SOFT	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT -HEMORRHAGE,-MODERATE, MULTI-FOCAL -PIGMENT,-SLIGHT, MULTI-FOCAL LIVER (LI) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL PANCREAS (PA) : -PIGMENT,-MINIMAL, MULTI-FOCAL TESTIS (TE) : -ATROPHY/DEGENERATION,-SEVERE, DIFFUSE THYMUS (TH) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL PITUITARY (PI) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT PROSTATE (PR) : -EDEMA,-MODERATE, MULTI-FOCAL -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE, MULTI-FOCAL SEMINAL VESICLES (SV) : >UNREMARKABLE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90859 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/19/99 STUDY DAY OF DEATH: 479 STUDY WEEK OF DEATH: 69 TERMINAL BODY WEIGHT: 538.6 GRAMS
DATE AND TIME OF NECROPSY: 05/19/99 15:17 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	SEMINAL VESICLES (SV) : -SMALL; BILATERAL: EACH IS 15 X 5 X 2 MM	
		EPIDIDYMIDES (EP) : -HYPOSPERMIA,-PRESENT
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; YELLOW AND MOIST -BLOOD FILM TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90859 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/19/99 STUDY DAY OF DEATH: 479 STUDY WEEK OF DEATH: 69 TERMINAL BODY WEIGHT: 538.6 GRAMS
DATE AND TIME OF NECROPSY: 05/19/99 15:17 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), KIDNEY (KD), SPLEEN (SP), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90860 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 570.2 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 12:40 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -MOTTLED; ALL LOBES: DARK RED AND BROWN	LIVER (LI) : -DEGENERATION, CYSTIC,-MODERATE, MULTI-FOCAL -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MODERATE, MULTI-FOCAL -NECROSIS, HEPATOCELLULAR,-MINIMAL, FOCAL -TELANGIECTASIS,-SLIGHT, FOCAL KIDNEY (KD) : -CYST,-MINIMAL, FOCAL -INFARCT,-MODERATE, FOCAL LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT, MULTI-FOCAL
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); MID POSTERIOR ASPECT: SINGLE DARK RED AREA, 2 X 1 MM	PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, FOCAL -B-ADENOMA,-NEOPLASM PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90860 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 570.2 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 12:40 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), TESTIS (TE), THYROID (TY), URINARY BLADDER (UB)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90861 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/04/99 STUDY DAY OF DEATH: 495 STUDY WEEK OF DEATH: 71 TERMINAL BODY WEIGHT: 456.3 GRAMS
DATE AND TIME OF NECROPSY: 06/04/99 14:33 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE >SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE >BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE >BEHAVIOR; SENSITIVE TO TOUCH; VERIFIED AT NECROPSY: NOT APPLICABLE >BEHAVIOR; RECUMBENT; STERNAL; VERIFIED AT NECROPSY: NOT APPLICABLE >SKIN & PELAGE; RED HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) PITUITARY (PI) : -MASS(ES); 8 MM IN DIAMETER, RED, DARK RED, TAN AND SOFT SEMINAL VESICLES (SV) : -SMALL; BILATERAL: EACH IS 13 X 5 X 2 MM GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: RED -DISCHARGE-NASAL; BILATERAL: RED -STAINS - SKIN/HAIRCOAT; VENTRAL MID ABDOMINAL REGION, HAIRCOAT: RED	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL PITUITARY (PI) : -HEMORRHAGE,-SEVERE, DIFFUSE -B-ADENOMA,-NEOPLASM PRESENT SEMINAL VESICLES (SV) : >UNREMARKABLE CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90861 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/04/99 STUDY DAY OF DEATH: 495 STUDY WEEK OF DEATH: 71 TERMINAL BODY WEIGHT: 456.3 GRAMS
DATE AND TIME OF NECROPSY: 06/04/99 14:33 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90862 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/17/99 STUDY DAY OF DEATH: 477 STUDY WEEK OF DEATH: 69 TERMINAL BODY WEIGHT: 435.0 GRAMS
DATE AND TIME OF NECROPSY: 05/17/99 15:30 PROSECTOR: DENNIS HOFFMAN RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT OBSERVED
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE
>RESPIRATION; IRREGULAR; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)
KIDNEY (KD) :
-MOTTLED; BILATERAL: TAN AND BROWN
PITUITARY (PI) :
-MASS(ES); SINGLE MASS, 5 X 8 X 12 MM, SOFT, RED, DARK RED AND TAN
GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
-DILATATION, VENTRICULAR,-PRESENT
KIDNEY (KD) :
-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
LUNG (LU) :
-MINERALIZATION, VASCULAR,-MINIMAL, FOCAL
PITUITARY (PI) :
-HEMORRHAGE,-MODERATE, MULTI-FOCAL
-B-ADENOMA,-NEOPLASM PRESENT
PROSTATE (PR) :
-INFLAMMATION, CHRONIC-ACTIVE,-MODERATE, MULTI-FOCAL
CAUSE OF DEATH (CD) :
-PITUITARY ADENOMA,-PRESENT
MAMMARY, MALE (MM) :
-PIGMENT,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE OF DEATH: 05/17/99 STUDY DAY OF DEATH: 477 STUDY WEEK OF DEATH: 69 TERMINAL BODY WEIGHT: 435.0 GRAMS
DATE AND TIME OF NECROPSY: 05/17/99 15:30 PROSECTOR: DENNIS HOFFMAN RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90863 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 643.4 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 13:29 PROSECTOR: GREGORY CODDINGTON RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0303	.0047 %	.0123	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0309	.0048 %	.0126	WEIGHT TAKEN
BRAIN (BR)	2.4617	.3826 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	2.3739	.3690 %	.9643	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	2.3341	.3628 %	.9482	WEIGHT TAKEN
LIVER (LI)	18.7061	2.9074 %	7.5989	WEIGHT TAKEN
LUNG (LU)	2.3756	.3692 %	.9650	WEIGHT TAKEN
SPLEEN (SP)	.7464	.1160 %	.3032	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.7051	.2650 %	.6927	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.7163	.2668 %	.6972	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0100	.0016 %	.0041	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0129	.0020 %	.0052	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-VACUOLATION, HEPATOCELLULAR,-MINIMAL,
MULTI-FOCAL
PANCREAS (PA) :
-PIGMENT,-MINIMAL, MULTI-FOCAL
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90863 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 643.4 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 13:29 PROSECTOR: GREGORY CODDINGTON RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90864 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 723.1 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 8:46 PROSECTOR: TERRI L. WILLIAMS RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); DORSAL; WEEK 98; VERIFIED AT NECROPSY: NOT OBSERVED >SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -MOTTLED; ALL LOBES: RED AND TAN	LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, CLEAR CELL,-SLIGHT, FOCAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL, MULTI-FOCAL -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL -VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL LUNG (LU) : -MINERALIZATION, VASCULAR,-SLIGHT, MULTI-FOCAL THYROID (TY) : -CYST, FOLLICULAR,-MODERATE, FOCAL -CYST, ULTIMOBRANCHIAL,-PRESENT
	PITUITARY (PI) : -RAISED AREA(S); LEFT ANTERIOR ASPECT: SINGLE TAN AREA, 2 MM IN DIAMETER	PITUITARY (PI) : -CYST,-PRESENT -B-ADENOMA,-NEOPLASM PRESENT SKIN (SK) : -B-KERATOACANTHOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	SKIN (SK) : -CRUSTED AREA(S); LEFT LATERAL SHOULDER REGION: SINGLE DARK RED AND TAN, SLIGHTLY RAISED AREA, 7 MM IN DIAMETER (CAP 22)	
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, MANDIBULAR (MN) : -MOTTLED; BILATERAL: RED, DARK RED, AND TAN; COLLECTED	LN, MANDIBULAR (MN) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -STAINS - SKIN/HAIRCOAT; ENTIRE HEAD, HAIRCOAT: RED -BONE MARROW SMEAR TAKEN -ANIMAL OBESE	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), TESTIS (TE), URINARY BLADDER (UB)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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ANIMAL NUMBER: C90865 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 701.6 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 9:43 PROSECTOR: JAMES T. CALLEN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-RIGHT; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL LUNG (LU) : -MINERALIZATION, VASCULAR,-SLIGHT, FOCAL THYROID (TY) : -CYST, FOLLICULAR,-MODERATELY SEVERE, MULTI-FOCAL URINARY BLADDER (UB) : -CALCULUS,-PRESENT -DESQUAMATION, TRANSITIONAL EPITHELIUM,-MINIMAL, MULTI-FOCAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	FOOT/FOOTPAD(S) (FP) : -CRUSTED AREA(S); RIGHT HIND FOOT: SINGLE MOIST RED CRUSTED AREA, 9 MM IN DIAMETER; COLLECTED	FOOT/FOOTPAD(S) (FP) : -EDEMA,-MODERATE, FOCAL -EROSION,-MODERATELY SEVERE, FOCAL -FIBROSIS,-MODERATE, FOCAL -INFLAMMATION, ACUTE,-MODERATELY SEVERE, FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LIVER (LI), PANCREAS (PA), TESTIS (TE)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90866 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 359.5 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 11:36 PROSECTOR: DONIA MEYER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	11.2529	3.1302 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RIGHT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LEFT THYROID/PAR (TT0)	--------	--------	--------	NOT TAKEN
RIGHT THYROID/PR (TT1)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

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DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 583.8 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 11:44 PROSECTOR: TERRI L. WILLIAMS RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); DORSAL; WEEK 64; 20 X 20MM; VERIFIED AT NECROPSY: OBSERVED >EYES; RED DISCHARGE; EYE-LEFT; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); VISCERAL SURFACE OF LEFT LATERAL LOBE: SINGLE RED AREA, 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION	LIVER (LI) : -DEGENERATION, CYSTIC,-MODERATE, FOCAL -VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL
		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
		PANCREAS (PA) : -ATROPHY, ACINAR,-MINIMAL, MULTI-FOCAL -PIGMENT,-MINIMAL, MULTI-FOCAL
	SKIN (SK) : -MASS(ES); DORSAL LUMBAR REGION: SINGLE MASS, 27 X 20 X 10 MM, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NORMAL (CAP 22); OVERLYING SKIN OF MASS HAS A SINGLE TAN AND BLACK ULCERATED AREA, 12 MM IN DIAMETER; COLLECTED INTACT WITH MASS	SKIN (SK) : -HEMORRHAGE,-MODERATE, FOCAL -INFLAMMATION, ACUTE,-MINIMAL, FOCAL -ULCERATION,-SLIGHT, FOCAL -B-KERATOACANTHOMA,-NEOPLASM PRESENT
		URINARY BLADDER (UB) : -CALCULUS,-PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

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O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; LEFT: RED -BONE MARROW SMEAR TAKEN	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), LUNG (LU), THYROID (TY), LN, INGUINAL (IN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90868 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/17/99 STUDY DAY OF DEATH: 508 STUDY WEEK OF DEATH: 73 TERMINAL BODY WEIGHT: 621.7 GRAMS
DATE AND TIME OF NECROPSY: 06/17/99 14:42 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAWS-HIND; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT
>BEHAVIOR; RECUMBENT; LATERAL; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-MODERATE, FOCAL
>RESPIRATION; IRREGULAR; VERIFIED AT NECROPSY: NOT APPLICABLE		-HEMORRHAGE,-SLIGHT, FOCAL
>SKIN & PELAGE; RED HAIR COAT; VENTRAL-ABDOMINAL-LEFT; VERIFIED AT NECROPSY: OBSERVED	HEART (HT) : >NOTE:>TRIMMING COMMENT: MISSING FROM WET TISSUE	HEART (HT) : >TISSUE MISSING
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: NOT OBSERVED	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 14 X 8 X 7 MM, RED, BROWN, TAN AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE		-B-ADENOMA,-NEOPLASM PRESENT
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
		FOOT/FOOTPAD(S) (FP) : -EDEMA,-MODERATE, MULTI-FOCAL
		-EROSION,-MODERATE, FOCAL
		-FIBROSIS,-SEVERE, MULTI-FOCAL

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	FOOT/FOOTPAD(S) (FP) : -CRUSTED AREA(S); BILATERAL, HINDFEET: SINGLE TAN, RED AND DRY AREA ON EACH, LEFT IS 5 X 3 MM, RIGHT IS 9 X 7 MM; BOTH COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -STAINS - SKIN/HAIRCOAT; LEFT VENTRAL ABDOMINAL REGION: DARK RED AND DRY	FOOT/FOOTPAD(S) (FP) : -INFLAMMATION, CHRONIC ACTIVE,- MODERATE, MULTI-FOCAL

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90869 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 877.3 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 12:42 PROSECTOR: JODI THIEREN RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; SCROTUM; VERIFIED AT NECROPSY: OBSERVED	SKIN (SK) : -ABRASION(S)/ULCERATION(S); PERINEAL REGION: SINGLE TAN, RED AND MOIST ULCERATED AREA, 8 MM IN DIAMETER (CAP 22)	LIVER (LI) : -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL PANCREAS (PA) : -ATROPHY, ACINAR,-MINIMAL, FOCAL LUNG (LU) : -MINERALIZATION, VASCULAR,-SLIGHT, MULTI-FOCAL SKIN (SK) : -INFLAMMATION, ACUTE,-MODERATE, FOCAL -ULCERATION,-MODERATELY SEVERE, FOCAL -B-FIBROMA,-NEOPLASM PRESENT URINARY BLADDER (UB) : -EDEMA,-MODERATE, MULTI-FOCAL -HYPERPLASIA, TRANSITIONAL CELL,-MODERATE, DIFFUSE -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90869 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 877.3 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 12:42 PROSECTOR: JODI THIEREN RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, MEDIASTINAL (ML) : -LARGE; UP TO 15 X 11 X 11 MM; APPEARS CYSTIC (CAP 23)	LN, MEDIASTINAL (ML) : -DILATATION, SINUSOIDAL,-SEVERE, FOCAL
	LN, LUMBAR/ILIAC (LM) : -LARGE; BILATERAL: UP TO 8 X 5 X 3 MM; APPEARS CYSTIC (CAP 24)	LN, LUMBAR/ILIAC (LM) : -DILATATION, SINUSOIDAL,-MODERATELY SEVERE, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90869 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 877.3 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 12:42 PROSECTOR: JODI THIEREN RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), THYROID (TY)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90870 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/02/99 STUDY DAY OF DEATH: 554 STUDY WEEK OF DEATH: 80 TERMINAL BODY WEIGHT: 515.6 GRAMS
DATE AND TIME OF NECROPSY: 08/02/99 13:30 PROSECTOR: DENNIS HOFFMAN RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: NOT OBSERVED
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

TESTIS (TE) :
-CONTAINS FLUID; RIGHT: CLEAR FLUID

PITUITARY (PI) :
-MASS(ES); SINGLE MASS, 7 X 8 X 12 MM, FIRM, RED, DARK RED, TAN, AND BROWN

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-DISCHARGE-NASAL; DRY BROWN MATERIAL

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
-DILATATION, VENTRICULAR,-PRESENT
KIDNEY (KD) :
-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
TESTIS (TE) :
-ATROPHY/DEGENERATION,-SEVERE, DIFFUSE
>NOTE:>RIGHT TESTIS
LUNG (LU) :
-INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL, MULTI-FOCAL
PITUITARY (PI) :
-HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL
-PIGMENT,-SLIGHT, MULTI-FOCAL
-B-ADENOMA,-NEOPLASM PRESENT
PROSTATE (PR) :
-INFLAMMATION, CHRONIC-ACTIVE,-MODERATE, MULTI-FOCAL
CAUSE OF DEATH (CD) :
-PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90870 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/02/99 STUDY DAY OF DEATH: 554 STUDY WEEK OF DEATH: 80 TERMINAL BODY WEIGHT: 515.6 GRAMS
DATE AND TIME OF NECROPSY: 08/02/99 13:30 PROSECTOR: DENNIS HOFFMAN RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -STAINS - SKIN/HAIRCOAT; ENTIRE VENTRAL SURFACE: DRY YELLOW MATERIAL -ANIMAL THIN	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90871 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 718.0 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 10:22 PROSECTOR: JARED FISHEL RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL -VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL
	KIDNEY (KD) : -LARGE PELVIS(ES); LEFT -GRANULAR MATERIAL; LEFT, WITHIN PELVIS: GREEN GRANULAR MATERIAL	KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -DILATATION, PELVIC,-PRESENT -MINERALIZATION, PELVIC,-MODERATE, FOCAL
	TESTIS (TE) : -SMALL; RIGHT: 15 X 10 X 8 MM (LEFT IS 23 X 14 X 10 MM)	TESTIS (TE) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -B-INTERSTITIAL CELL TUMOR,-NEOPLASM PRESENT
		THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
		URINARY BLADDER (UB) : -CALCULUS,-PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90871 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 718.0 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 10:22 PROSECTOR: JARED FISHEL RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), LUNG (LU)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90872 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/24/99 STUDY DAY OF DEATH: 637 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/24/99 6:54 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		EYE (EY) : -INFLAMMATION, ACUTE, CORNEAL,-MINIMAL, FOCAL -MINERALIZATION, CORNEAL,-SLIGHT, FOCAL -ULCERATION, CORNEAL,-MODERATE, FOCAL
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT
	KIDNEY (KD) : -LARGE PELVIS(ES); BILATERAL -SEMIFLUID MATERIAL-PELVIS; RIGHT: LIGHT GREEN, CREAMY SEMIFLUID -CALCULUS(I); BILATERAL: MULTIPLE TAN, HARD CALCULI, UP TO 5 MM IN DIAMETER	KIDNEY (KD) : -DILATATION, PELVIC,-PRESENT -NECROSIS, PAPILLARY,-MINIMAL, FOCAL -PYELONEPHRITIS,-MODERATELY SEVERE, DIFFUSE
		SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE, MULTI-FOCAL
	ADRENAL, CORTEX (AC) : -LARGE; BILATERAL: EACH IS 5 MM IN DIAMETER	ADRENAL, CORTEX (AC) : >UNREMARKABLE
		TESTIS (TE) : -MINERALIZATION,-SLIGHT, MULTI-FOCAL
	BONE, FEMUR (FE) : >NOTE:>TRIMMING COMMENT: MISSING AT TRIMMING	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90872 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/24/99 STUDY DAY OF DEATH: 637 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/24/99 6:54 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MARROW, FEMUR (FM) : >NOTE:>TRIMMING COMMENT: MISSING AT TRIMMING	
		HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL -FIBROSIS,-MINIMAL, MULTI-FOCAL
	PITUITARY (PI) : -MASS(ES); 10 X 8 X 5 MM, DARK RED AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		STOMACH, GL (ST) : -MINERALIZATION,-MODERATE, MULTI-FOCAL
		URINARY BLADDER (UB) : -HYPERPLASIA, TRANSITIONAL CELL,-MODERATELY SEVERE, DIFFUSE -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE, MULTI-FOCAL
		CAUSE OF DEATH (CD) : -PYELONEPHRITIS,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90872 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/24/99 STUDY DAY OF DEATH: 637 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/24/99 6:54 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LIVER (LI), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90873 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/17/99 STUDY DAY OF DEATH: 508 STUDY WEEK OF DEATH: 73 TERMINAL BODY WEIGHT: 622.3 GRAMS
DATE AND TIME OF NECROPSY: 06/17/99 8:17 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE		-DILATATION, VENTRICULAR,-PRESENT
>SKIN & PELAGE; RED HAIR COAT; VENTRAL-THORACIC; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) :
>SKIN & PELAGE; RED HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED		-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
		-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
		-NECROSIS, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL
		KIDNEY (KD) :
		-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
		LN, MESENTERIC (MS) :
		-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL, MULTI-FOCAL
		TESTIS (TE) :
		-MINERALIZATION, VASCULAR,-MINIMAL, MULTI-FOCAL
		LUNG (LU) :
		-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); SINGLE MASS, 12 X 8 X 4 MM, RED, DARK RED, TAN, SOFT AND LOBULATED	-HEMORRHAGE,-MODERATE, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90873 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
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DATE AND TIME OF NECROPSY: 06/17/99 8:17 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL, MULTI-FOCAL CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	FOOT/FOOTPAD(S) (FP) : -CRUSTED AREA(S); LEFT: SINGLE RED AND DRY AREA, 7 X 5 MM; COLLECTED	FOOT/FOOTPAD(S) (FP) : -EROSION,-MODERATE, MULTI-FOCAL -FIBROSIS,-MODERATELY SEVERE, MULTI-FOCAL -INFLAMMATION, ACUTE,-MODERATE, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -STAINS - SKIN/HAIRCOAT; VENTRAL ABDOMINAL AND THORACIC REGIONS: RED AND DRY	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 06/17/99 8:17 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90874 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/03/99 STUDY DAY OF DEATH: 463 STUDY WEEK OF DEATH: 67 TERMINAL BODY WEIGHT: 520.7 GRAMS
DATE AND TIME OF NECROPSY: 05/03/99 11:14 PROSECTOR: JOHN S. HALFORD RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE		PANCREAS (PA) : -PIGMENT,-MINIMAL, MULTI-FOCAL
>RESPIRATION; AUDIBLE; VERIFIED AT NECROPSY: NOT APPLICABLE		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL
	STOMACH, GL (ST) : -MASS(ES); MUCOSA, ALONG GREATER CURVATURE: SINGLE TAN AND SOFT MASS, 6 X 5 X 3 MM; ON SECTION EXUDES A WHITE CASEOUS MATERIAL; COLLECTED INTACT; REGIONAL LN (PANCREATIC) NOT IDENTIFIED	STOMACH, GL (ST) : -CYST,-PRESENT
		STOMACH, NONGL (SU) : -B-PAPILLOMA, SQUAMOUS CELL,-NEOPLASM PRESENT
	PROSTATE (PR) : -NODULAR; PROXIMAL, SURROUNDING URETHRA: GREEN AND FIRM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90874 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
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DATE AND TIME OF NECROPSY: 05/03/99 11:14 PROSECTOR: JOHN S. HALFORD RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAUSE OF DEATH (CD) : -UNDETERMINED,-PRESENT
	MAMMARY, MALE (MM) : -THICKENED; ALL REGIONS DIFFUSE: TAN AND FIRM (COLLECTED ON ROUTINE SECTION)	MAMMARY, MALE (MM) : -PIGMENT,-MINIMAL, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY RED MATERIAL -GI TRACT-LARGE LUMEN; JEJUNUM, ILEUM AND CECUM, DIFFUSE: UP TO 25 MM IN DIAMETER	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90874 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/03/99 STUDY DAY OF DEATH: 463 STUDY WEEK OF DEATH: 67 TERMINAL BODY WEIGHT: 520.7 GRAMS
DATE AND TIME OF NECROPSY: 05/03/99 11:14 PROSECTOR: JOHN S. HALFORD RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90875 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/19/99 STUDY DAY OF DEATH: 632 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/19/99 9:50 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS	PANCREAS (PA) : -PIGMENT,-MINIMAL, MULTI-FOCAL ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-SLIGHT, MULTI-FOCAL ADRENAL, MEDULLA (MA) : -ONE EXAMINED,-PRESENT LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, MULTI-FOCAL HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL -FIBROSIS,-MINIMAL, MULTI-FOCAL PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL CAUSE OF DEATH (CD) : -UNDETERMINED,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90875 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/19/99 STUDY DAY OF DEATH: 632 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/19/99 9:50 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90876 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (A)
DATE OF DEATH: 02/15/99 STUDY DAY OF DEATH: 386 STUDY WEEK OF DEATH: 56 TERMINAL BODY WEIGHT: 888.8 GRAMS
DATE AND TIME OF NECROPSY: 02/15/99 13:55 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; PARALYSIS; LIMBS-HIND; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL -VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL PANCREAS (PA) : -PIGMENT,-MINIMAL, MULTI-FOCAL LUNG (LU) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL
	MUSCLE, SKELETAL (SM) : -DIFFUSELY RED; MUSCLE SURROUNDING VENTRAL SURFACE OF MID THORACIC REGION: DARK RED; COLLECTED INTACT WITH SPINAL CORD	MUSCLE, SKELETAL (SM) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL
		THYROID (TY) : -CYST, FOLLICULAR,-MINIMAL, MULTI-FOCAL PARATHYROID (PT) : >SECTION EXAMINED; TISSUE NOT PRESENT PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT EPIDIDYMIDES (EP) : -INFLAMMATION, CHRONIC,-MINIMAL, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90876 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (A)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-MALOCCLUSION; BILATERAL, UPPER INCISORS

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-TRAUMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90876 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (A)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90877 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 454.9 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 13:32 PROSECTOR: DONIA MEYER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0294	.0065 %	.0131	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0220	.0048 %	.0098	WEIGHT TAKEN
BRAIN (BR)	2.2403	.4925 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.8338	.4031 %	.8186	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.7847	.3923 %	.7966	WEIGHT TAKEN
LIVER (LI)	17.3893	3.8227 %	7.7620	WEIGHT TAKEN
LUNG (LU)	1.9130	.4205 %	.8539	WEIGHT TAKEN
SPLEEN (SP)	.5725	.1259 %	.2555	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.6055	.3529 %	.7166	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.6214	.3564 %	.7237	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0136	.0030 %	.0061	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0150	.0033 %	.0067	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: NOT OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR,-MODERATE, DIFFUSE
-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
TESTIS (TE) :
-ATROPHY/DEGENERATION,-SLIGHT, MULTI-FOCAL
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90877 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 454.9 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 13:32 PROSECTOR: DONIA MEYER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90878 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/29/99 STUDY DAY OF DEATH: 369 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/29/99 8:35 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-AUTOLYSIS-SEVERE

HISTOPATHOLOGY

PANCREAS (PA) :
-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
THYMUS (TH) :
-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
HEART (HT) :
-DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL
DUODENUM (DU) :
>AUTOLYTIC
JEJUNUM (JE) :
>AUTOLYTIC
CAUSE OF DEATH (CD) :
-UNDETERMINED,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90878 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/29/99 STUDY DAY OF DEATH: 369 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/29/99 8:35 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90879 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/09/99 STUDY DAY OF DEATH: 561 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 443.5 GRAMS
DATE AND TIME OF NECROPSY: 08/09/99 14:12 PROSECTOR: DENNIS HOFFMAN RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) :	BRAIN (BR) :
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) :	LIVER (LI) :
	-MOTTLED; ALL LOBES, DIFFUSE: RED AND BROWN	>UNREMARKABLE
	KIDNEY (KD) :	KIDNEY (KD) :
	-LARGE PELVIS(ES); BILATERAL	-DILATATION, PELVIC,-PRESENT -MINERALIZATION, PELVIC,-SLIGHT, FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATELY SEVERE, MULTI-FOCAL
		PANCREAS (PA) :
		-ATROPHY, ACINAR,-MINIMAL, MULTI-FOCAL
		THYROID (TY) :
		-CYST, ULTIMOBRANCHIAL,-PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); SINGLE MASS, 11 X 8 X 8 MM, FIRM, TAN, RED AND DARK RED	-HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		ILEUM (IL) :
		>TISSUE MISSING
	RECTUM (RE) :	RECTUM (RE) :
	>NOTE:>TRIMMING COMMENT: NOT FOUND AT TRIMMING	>TISSUE MISSING

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90879 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/09/99 STUDY DAY OF DEATH: 561 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 443.5 GRAMS
DATE AND TIME OF NECROPSY: 08/09/99 14:12 PROSECTOR: DENNIS HOFFMAN RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,- MODERATE, MULTI-FOCAL CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; MOIST BROWN MATERIAL -BLOOD FILM TAKEN -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90879 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/09/99 STUDY DAY OF DEATH: 561 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 443.5 GRAMS
DATE AND TIME OF NECROPSY: 08/09/99 14:12 PROSECTOR: DENNIS HOFFMAN RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), CECUM (CE), COLON (CO), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90880 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 566.1 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 14:23 PROSECTOR: TERRI L. WILLIAMS RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0324	.0057 %	.0145	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0265	.0047 %	.0119	WEIGHT TAKEN
BRAIN (BR)	2.2340	.3946 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	2.4180	.4271 %	1.0824	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	2.3287	.4114 %	1.0424	WEIGHT TAKEN
LIVER (LI)	20.5702	3.6337 %	9.2078	WEIGHT TAKEN
LUNG (LU)	2.1495	.3797 %	.9622	WEIGHT TAKEN
SPLEEN (SP)	.8744	.1545 %	.3914	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.6470	.2909 %	.7372	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.6603	.2933 %	.7432	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0165	.0029 %	.0074	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0152	.0027 %	.0068	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

LIVER (LI) :
-HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR,-SLIGHT, DIFFUSE
-INFLAMMATION, CHRONIC,-MINIMAL, FOCAL
ADRENAL, CORTEX (AC) :
-VACUOLATION,-MINIMAL, MULTI-FOCAL
LN, MESENTERIC (MS) :
-HEMORRHAGE,-MINIMAL, FOCAL
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90880 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 566.1 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 14:23 PROSECTOR: TERRI L. WILLIAMS RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), TESTIS (TE)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90881 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 978.6 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 9:43 PROSECTOR: JERALD W. JOHNSON RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: NOT OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 2 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS ADRENAL, CORTEX (AC) : -LARGE; RIGHT: 7 X 5 X 4 MM (LEFT IS 4 X 3 X 3 MM)	BRAIN (BR) : >UNREMARKABLE LIVER (LI) : -DEGENERATION, CYSTIC,-MODERATE, MULTI-FOCAL -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-SEVERE, MULTI-FOCAL -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT, MULTI-FOCAL ADRENAL, CORTEX (AC) : >UNREMARKABLE ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,- 2 NEOPLASMS PRESENT LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90881 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 978.6 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 9:43 PROSECTOR: JERALD W. JOHNSON RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYROID (TY) : -B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 7 X 6 X 5 MM, DARK RED, TAN, AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -ANIMAL OBESE	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90881 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 978.6 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 9:43 PROSECTOR: JERALD W. JOHNSON RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), TESTIS (TE), URINARY BLADDER (UB)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90882 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 985.4 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 10:41 PROSECTOR: TERRI L. WILLIAMS RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -DEGENERATION, CYSTIC,-SLIGHT, MULTI-FOCAL -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-SLIGHT, MULTI-FOCAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT, MULTI-FOCAL
	PITUITARY (PI) : -CYST(S); MID ANTERIOR ASPECT: SINGLE CLEAR FLUID FILLED CYST, 1 MM IN DIAMETER	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -ANIMAL OBESE	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90882 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 985.4 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 10:41 PROSECTOR: TERRI L. WILLIAMS RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), TESTIS (TE), LUNG (LU), THYROID (TY), URINARY BLADDER (UB)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90883 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 621.3 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 8:29 PROSECTOR: MICHELE MARGGI RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-LEFT; VERIFIED AT NECROPSY: NOT OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
		LIVER (LI) :
		-FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MINIMAL, MULTI-FOCAL
		-VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL
		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
		THYROID (TY) :
		-B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 7 X 5 X 5 MM, DARK RED, TAN AND SOFT	-HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
	PROSTATE (PR) :	PROSTATE (PR) :
	-NODULAR; PROXIMAL, SURROUNDING URETHRA: GREEN, TAN, AND FIRM	-INFLAMMATION, ACUTE,-SLIGHT, MULTI-FOCAL
		CAUSE OF DEATH (CD) :
		-SCHEDULED SACRIFICE,-PRESENT
	LN, MANDIBULAR (MN) :	LN, MANDIBULAR (MN) :
	-MOTTLED; BILATERAL: RED AND TAN (CAP 22)	-HEMORRHAGE,-SLIGHT, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90883 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 621.3 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 8:29 PROSECTOR: MICHELE MARGGI RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL, UPPER INCISORS -BONE MARROW SMEAR TAKEN -ANIMAL OBESE	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), TESTIS (TE), LUNG (LU), URINARY BLADDER (UB)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90884 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 593.1 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 9:48 PROSECTOR: JODI THIEREN RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE AREAS, UP TO 2 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS PITUITARY (PI) : -MASS(ES); 7 X 6 X 4 MM, RED, GRAY, TAN, AND FIRM FOOT/FOOTPAD(S) (FP) : -ABRASION(S)/ULCERATION(S); BILATERAL HINDFEET: SINGLE RED, TAN AND MOIST AREA ON EACH, LEFT IS 11 X 10 MM, RIGHT IS 3 MM IN DIAMETER; BOTH COLLECTED; TISSUE SURROUNDING LEFT APPEARS SWOLLEN GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL -TELANGIECTASIS,-MINIMAL, FOCAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT, MULTI-FOCAL PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT FOOT/FOOTPAD(S) (FP) : -EDEMA,-MODERATE, FOCAL -EROSION,-MODERATELY SEVERE, FOCAL -EXOSTOSES,-MODERATE, FOCAL -INFLAMMATION, ACUTE,-MODERATE, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90884 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 593.1 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 9:48 PROSECTOR: JODI THIEREN RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), TESTIS (TE), LUNG (LU), THYROID (TY), URINARY BLADDER (UB)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90885 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 751.4 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 7:38 PROSECTOR: GREGORY CODDINGTON RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -DEGENERATION, CYSTIC,-MODERATE, FOCAL -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, FOCAL -MINERALIZATION, PELVIC,-MINIMAL, FOCAL
	LUNG (LU) : -ADHESION(S); LEFT LOBE ADHERED TO PLEURA: MULTIPLE GRAY AND FIBROUS ADHESIONS; COLLECTED INTACT THYROID (TY) : -LARGE; RIGHT: 8 X 6 X 6 MM (LEFT IS 4 X 3 X 2 MM)	LUNG (LU) : -FIBROSIS, PLEURAL/SUBPLEURAL,-MINIMAL, MULTI-FOCAL THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT URINARY BLADDER (UB) : -CALCULUS,-PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, LUMBAR/ILIAC (LM) : -LARGE; LEFT: 12 X 7 X 5 MM (RIGHT IS 7 X 3 X 3 MM) -DIFFUSELY RED; LEFT: DARK RED (CAP 22)	LN, LUMBAR/ILIAC (LM) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90885 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 751.4 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 7:38 PROSECTOR: GREGORY CODDINGTON RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	FOOT/FOOTPAD(S) (FP) : -ABRASION(S)/ULCERATION(S); LEFT HINDFOOT: SINGLE DARK RED AND TAN ABRADED AREA, 10 X 8 MM; COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	FOOT/FOOTPAD(S) (FP) : -EDEMA,-MODERATE, FOCAL -EROSION,-MODERATELY SEVERE, FOCAL -EXOSTOSES,-MODERATELY SEVERE, FOCAL -INFLAMMATION, ACUTE,-MODERATE, FOCAL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), TESTIS (TE)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90886 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/18/99 STUDY DAY OF DEATH: 631 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: 470.7 GRAMS
DATE AND TIME OF NECROPSY: 10/18/99 11:38 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-RIGHT; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>WART LIKE LESION(S); PAW-HIND-LEFT; WEEK 89; VERIFIED AT NECROPSY: NOT OBSERVED	LIVER (LI) :	-DILATATION, VENTRICULAR,-PRESENT
>SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE	-RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) :
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
		ADRENAL, CORTEX (AC) :
		-VACUOLATION,-MINIMAL, MULTI-FOCAL
		LUNG (LU) :
		-INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL, MULTI-FOCAL
		THYROID (TY) :
		-B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 11 MM IN DIAMETER, RED, TAN AND SOFT	-HEMORRHAGE,-MODERATE, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
	PROSTATE (PR) :	PROSTATE (PR) :
	-NODULAR; PROXIMAL SURROUNDING URETHRA: GREEN AND FIRM	-INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90886 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/18/99 STUDY DAY OF DEATH: 631 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: 470.7 GRAMS
DATE AND TIME OF NECROPSY: 10/18/99 11:38 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	TAIL (TI) : -CRUSTED AREA(S); DIFFUSE ALONG ENTIRE LENGTH: MULTIPLE DARK BROWN AND SLIGHTLY RAISED AREAS, UP TO 4 MM IN DIAMETER; COLLECTED	TAIL (TI) : -CYST, EPIDERMAL INCLUSION,-PRESENT
	FOOT/FOOTPAD(S) (FP) : -ABRASION(S)/ULCERATION(S); RIGHT HIND FOOT: SINGLE BROWN, RED, AND MOIST ABRADED AREA, 12 MM IN DIAMETER; COLLECTED	FOOT/FOOTPAD(S) (FP) : -EROSION,-MODERATELY SEVERE, FOCAL -FIBROSIS,-MODERATELY SEVERE, MULTI-FOCAL -INFLAMMATION, ACUTE,-MODERATE, MULTI-FOCAL
	LN, POPLITEAL (PP) : -LARGE; RIGHT: UP TO 11 X 10 X 6 MM (LEFT IS NOT IDENTIFIED) (CAP 22)	LN, POPLITEAL (PP) : -DILATATION, SINUSOIDAL,-SLIGHT, MULTI-FOCAL -HYPERPLASIA, LYMPHOCYTIC,-MODERATE, MULTI-FOCAL
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; COVERING ENTIRE ABDOMINAL REGION: DRY BROWN MATERIAL -BLOOD FILM TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90886 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
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DATE AND TIME OF NECROPSY: 10/18/99 11:38 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90887 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/17/99 STUDY DAY OF DEATH: 477 STUDY WEEK OF DEATH: 69 TERMINAL BODY WEIGHT: 701.2 GRAMS
DATE AND TIME OF NECROPSY: 05/17/99 15:47 PROSECTOR: DENNIS HOFFMAN RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; RED HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -MOTTLED; ALL LOBES: RED AND TAN	LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-SEVERE, DIFFUSE
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE		PANCREAS (PA) : -ATROPHY, ACINAR,-SLIGHT, FOCAL -PIGMENT,-MINIMAL, MULTI-FOCAL
>SKIN & PELAGE; RED HAIR COAT; VENTRAL-CERVICAL; VERIFIED AT NECROPSY: OBSERVED		HEART (HT) : -DEGENERATION/NECROSIS,-SLIGHT, MULTI-FOCAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 6 X 6 X 9 MM, SOFT, RED AND DARK RED	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: MULTIPLE TAN AND BROWN ERODED AREAS, UP TO 3 MM IN DIAMETER	STOMACH, NONGL (SU) : -EDEMA,-SLIGHT, MULTI-FOCAL -EROSION,-MODERATE, FOCAL -INFLAMMATION, ACUTE,-SLIGHT, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 05/17/99 15:47 PROSECTOR: DENNIS HOFFMAN RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-DISCHARGE-NASAL; DRY RED MATERIAL
-STAINS - SKIN/HAIRCOAT; ENTIRE VENTRAL SURFACE AND HEAD: DRY RED MATERIAL

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90888 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/09/99 STUDY DAY OF DEATH: 561 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 433.7 GRAMS
DATE AND TIME OF NECROPSY: 08/09/99 14:46 PROSECTOR: DENNIS HOFFMAN RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>WART LIKE LESION(S); DORSAL; WEEK 79; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) :	-DILATATION, VENTRICULAR,-PRESENT
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	-MOTTLED; ALL LOBES: TAN AND BROWN	LIVER (LI) :
>SKIN & PELAGE; RED HAIR COAT; PERINEAL AREA; VERIFIED AT NECROPSY: OBSERVED		-VACUOLATION, HEPATOCELLULAR,-MODERATELY SEVERE, MULTI-FOCAL
		KIDNEY (KD) :
		-MINERALIZATION, PELVIC,-MINIMAL, FOCAL
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL
		ADRENAL, CORTEX (AC) :
		-VACUOLATION,-SLIGHT, MULTI-FOCAL
		THYROID (TY) :
		-B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); SINGLE MASS, 7 X 7 X 12 MM, FIRM, RED, DARK RED AND TAN	-HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) :	STOMACH, GL (ST) :
	-EROSION/ULCERATION; MUCOSA: SINGLE DARK BROWN ERODED AREA, 2 X 3 MM	-EDEMA,-MINIMAL, FOCAL
		-EROSION,-MODERATE, MULTI-FOCAL
		-INFLAMMATION, ACUTE,-MINIMAL, MULTI-FOCAL
		STOMACH, NONGL (SU) :
		-EDEMA,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: SINGLE DARK BROWN ERODED AREA, 2 X 4 MM	STOMACH, NONGL (SU) : -EROSION,-MODERATE, FOCAL -INFLAMMATION, ACUTE,-MINIMAL, MULTI-FOCAL
	SKIN (SK) : -CRUSTED AREA(S); DORSAL THORACIC REGION: SINGLE DRY, TAN AREA, 5 X 6 MM (CAP 21)	SKIN (SK) : -B-KERATOACANTHOMA,-NEOPLASM PRESENT
	PROSTATE (PR) : -NODULAR; PROXIMAL, SURROUNDING URETHRA: MULTIPLE TAN AND GREEN NODULES	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE, MULTI-FOCAL
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; DARK BROWN MOIST MATERIAL -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL, UPPER INCISORS -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90889 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 818.1 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 10:03 PROSECTOR: NANCY DIEDRICH RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT, MULTI-FOCAL
	THYROID (TY) : -LARGE; RIGHT: 9 X 6 X 6 MM (LEFT IS 5 X 3 X 3 MM) SKIN (SK) : -MASS(ES); LEFT LATERAL HINDLEG: SINGLE MASS, 15 X 10 X 5 MM, TAN AND SOFT; ON SECTION EXUDES A TAN CASEOUS SEMISOLID MATERIAL (CAP 23); REGIONAL LN (INGUINAL) NOT IDENTIFIED -CRUSTED AREA(S); LEFT LATERAL LUMBAR REGION: SINGLE DRY DARK RED AREA, 5 MM IN DIAMETER (CAP 22)	THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT -B-ADENOMA, C-CELL,-NEOPLASM PRESENT SKIN (SK) : -CYST, EPIDERMAL INCLUSION,-PRESENT -B-KERATOACANTHOMA,-NEOPLASM PRESENT
		URINARY BLADDER (UB) : -CALCULUS,-PRESENT
	PROSTATE (PR) : -NODULAR; PROXIMAL, SURROUNDING URETHRA: GREEN AND FIRM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	FOOT/FOOTPAD(S) (FP) : -ABRASION(S)/ULCERATION(S); LEFT HINDFOOT: SINGLE DARK RED ABRADED AREA, 10 X 8 MM; COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	FOOT/FOOTPAD(S) (FP) : -EDEMA,-MODERATE, FOCAL -EROSION,-SLIGHT, FOCAL -FIBROSIS,-SLIGHT, FOCAL -INFLAMMATION, ACUTE,-SLIGHT, FOCAL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), TESTIS (TE), LUNG (LU)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90890 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 360.8 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 8:45 PROSECTOR: DONIA MEYER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	11.2612	3.1212 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RIGHT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LEFT THYROID/PAR (TT0)	--------	--------	--------	NOT TAKEN
RIGHT THYROID/PR (TT1)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90890 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 360.8 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 8:45 PROSECTOR: DONIA MEYER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90891 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 372.6 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 11:45 PROSECTOR: DONIA MEYER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	13.2084	3.5449 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RIGHT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LEFT THYROID/PAR (TT0)	--------	--------	--------	NOT TAKEN
RIGHT THYROID/PR (TT1)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90891 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 372.6 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 11:45 PROSECTOR: DONIA MEYER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90892 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/12/99 STUDY DAY OF DEATH: 533 STUDY WEEK OF DEATH: 77 TERMINAL BODY WEIGHT: 419.6 GRAMS
DATE AND TIME OF NECROPSY: 07/12/99 14:09 PROSECTOR: DENNIS HOFFMAN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED		-DILATATION, VENTRICULAR,-PRESENT
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) :
>EYES; SQUINTED; PERI-ORBITAL-RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE		-VACUOLATION, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) :
		-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
		LUNG (LU) :
		-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
	THYROID (TY) :	THYROID (TY) :
	>NOTE:>TRIMMING COMMENT: ONE MISSING FROM WET TISSUE	-ONE EXAMINED,-PRESENT
	PARATHYROID (PT) :	
	>NOTE:>TRIMMING COMMENT: ONE MISSING FROM WET TISSUE	
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 5 X 7 X 9 MM, SOFT, DARK RED AND TAN	-HEMORRHAGE,-MODERATE, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
		PROSTATE (PR) :
		-INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL
		CAUSE OF DEATH (CD) :
		-PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90892 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/12/99 STUDY DAY OF DEATH: 533 STUDY WEEK OF DEATH: 77 TERMINAL BODY WEIGHT: 419.6 GRAMS
DATE AND TIME OF NECROPSY: 07/12/99 14:09 PROSECTOR: DENNIS HOFFMAN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, MALE (MM) : -CYST(S); BILATERAL, CERVICAL REGIONS: MULTIPLE WHITE FLUID FILLED CYSTS, UP TO 2 MM IN DIAMETER (CAP 21) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY, RED MATERIAL -DISCHARGE-NASAL; DRY, RED MATERIAL -STAINS - SKIN/HAIRCOAT; ENTIRE HEAD: RED -ANIMAL THIN	MAMMARY, MALE (MM) : -GALACTOCELE,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90892 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/12/99 STUDY DAY OF DEATH: 533 STUDY WEEK OF DEATH: 77 TERMINAL BODY WEIGHT: 419.6 GRAMS
DATE AND TIME OF NECROPSY: 07/12/99 14:09 PROSECTOR: DENNIS HOFFMAN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90893 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 908.3 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 10:16 PROSECTOR: TERRI L. WILLIAMS RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -MOTTLED; ALL LOBES: DARK RED, TAN, AND BROWN -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS KIDNEY (KD) : -LARGE PELVIS(ES); BILATERAL PITUITARY (PI) : -RAISED AREA(S); LEFT POSTERIOR ASPECT: SINGLE DARK RED AREA, 3 MM IN DIAMETER PROSTATE (PR) : -NODULAR; PROXIMAL, SURROUNDING URETHRA: GREEN AND FIRM GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	LIVER (LI) : -DEGENERATION, CYSTIC,-MODERATELY SEVERE, MULTI-FOCAL -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MODERATE, MULTI-FOCAL -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -DILATATION, PELVIC,-PRESENT -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT, MULTI-FOCAL PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT PROSTATE (PR) : -INFLAMMATION, ACUTE,-SLIGHT, MULTI-FOCAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90893 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 908.3 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 10:16 PROSECTOR: TERRI L. WILLIAMS RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-ANIMAL OBESE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), TESTIS (TE), LUNG (LU), THYROID (TY), URINARY BLADDER (UB)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90894 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/10/99 STUDY DAY OF DEATH: 684 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: 655.4 GRAMS
DATE AND TIME OF NECROPSY: 12/10/99 14:02 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; BROWN HAIR COAT; PERINEAL AREA; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: OBSERVED		ADRENAL, CORTEX (AC) : -VACUOLATION,-SLIGHT, MULTI-FOCAL
>BEHAVIOR; RECUMBENT; STERNAL; VERIFIED AT NECROPSY: NOT APPLICABLE		MUSCLE, SKELETAL (SM) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE	THYROID (TY) :	THYROID (TY) :
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	-RED FOCUS(I)/AREA(S); RIGHT: SINGLE DARK RED AREA, 2 MM IN DIAMETER	-PIGMENT,-SLIGHT, MULTI-FOCAL -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
		PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
	STOMACH, GL (ST) :	STOMACH, GL (ST) :
	-DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN AREAS, UP TO 3 MM IN DIAMETER	-EDEMA,-MINIMAL, FOCAL -EROSION,-MODERATE, FOCAL -HEMORRHAGE,-SLIGHT, FOCAL -INFLAMMATION, ACUTE,-SLIGHT, FOCAL
		PROSTATE (PR) : -MINERALIZATION, LUMINAL,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90894 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/10/99 STUDY DAY OF DEATH: 684 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: 655.4 GRAMS
DATE AND TIME OF NECROPSY: 12/10/99 14:02 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		EPIDIDYMIDES (EP) : -INFLAMMATION, CHRONIC,-MINIMAL, FOCAL
		CAUSE OF DEATH (CD) : -CARCINOMA,-PRESENT
		LN, MEDIASTINAL (ML) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MODERATE, MULTI-FOCAL >NOTE:>MEDIASTINAL LYMPH NODE WAS ON THYMUS SECTION
	CAVITY, ABDOM (PC) : -MASS(ES); WITHIN MESENTERY, ADJACENT TO COLON: SINGLE MASS, 35 X 25 X 20 MM, RED, TAN AND FIRM; SAME ON CUT SURFACE; SOME SECTIONS EXUDE A CLEAR RED FLUID; COLLECTED INTACT; REGIONAL LN (MESENTERIC) NORMAL	CAVITY, ABDOM (PC) : -M-CARCINOMA,-NEOPLASM PRESENT
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; PERINEUM: MOIST BROWN MATERIAL -BLOOD FILM TAKEN -STAINS - SKIN/HAIRCOAT; VENTRAL CERVICAL REGION: DRY DARK RED MATERIAL	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90894 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/10/99 STUDY DAY OF DEATH: 684 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: 655.4 GRAMS
DATE AND TIME OF NECROPSY: 12/10/99 14:02 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90895 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/13/99 STUDY DAY OF DEATH: 657 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/13/99 7:35 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: NOT OBSERVED	LIVER (LI) : -LARGE; ALL LOBES -MOTTLED; ALL LOBES: RED, DARK RED, TAN AND YELLOW LUNG (LU) : -MOTTLED; ALL LOBES: RED, DARK RED AND TAN -UNCOLLAPSED; ALL LOBES	LIVER (LI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE, MULTI-FOCAL -NECROSIS, HEPATOCELLULAR,-SEVERE, MULTI-FOCAL -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE, MULTI-FOCAL ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT LUNG (LU) : -HEMORRHAGE,-SEVERE, MULTI-FOCAL -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT DUODENUM (DU) : >AUTOLYTIC JEJUNUM (JE) : >AUTOLYTIC

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90895 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/13/99 STUDY DAY OF DEATH: 657 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/13/99 7:35 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL CAUSE OF DEATH (CD) : -HISTIOCYTIC SARCOMA,-PRESENT HEMATO NEOPLASIA (HN) : -M-SARCOMA, HISTIOCYTIC,-NEOPLASM PRESENT
	GENERAL COMMENT (GC) : -DISCHARGE-ORAL; DRY, DARK RED MATERIAL	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90895 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/13/99 STUDY DAY OF DEATH: 657 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/13/99 7:35 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), PANCREAS (PA), ADRENAL, CORTEX (AC), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90896 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/07/99 STUDY DAY OF DEATH: 498 STUDY WEEK OF DEATH: 72 TERMINAL BODY WEIGHT: 489.3 GRAMS
DATE AND TIME OF NECROPSY: 06/07/99 14:54 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

PITUITARY (PI) :
-MASS(ES); SINGLE MASS, 13 X 10 X 7 MM, DARK RED, RED, TAN AND SOFT

SEMINAL VESICLES (SV) :
-LARGE; BILATERAL: EACH IS 30 X 20 X 10 MM

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-MALOCCLUSION; BILATERAL, UPPER INCISORS

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
-DILATATION, VENTRICULAR,-PRESENT
LIVER (LI) :
-TELANGIECTASIS,-MODERATE, FOCAL
KIDNEY (KD) :
-CAST, PROTEINACEOUS,-SLIGHT, MULTI-FOCAL
PITUITARY (PI) :
-HEMORRHAGE,-MODERATE, MULTI-FOCAL
-B-ADENOMA,-NEOPLASM PRESENT
PROSTATE (PR) :
-INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL
SEMINAL VESICLES (SV) :
-SECRETION, INCREASED,-PRESENT

CAUSE OF DEATH (CD) :
-PITUITARY ADENOMA,-PRESENT
MAMMARY, MALE (MM) :
-GALACTOCELE,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90896 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/07/99 STUDY DAY OF DEATH: 498 STUDY WEEK OF DEATH: 72 TERMINAL BODY WEIGHT: 489.3 GRAMS
DATE AND TIME OF NECROPSY: 06/07/99 14:54 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90897 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/17/99 STUDY DAY OF DEATH: 661 STUDY WEEK OF DEATH: 95 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/17/99 7:30 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 3 X 2 MM; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : -DEGENERATION, CYSTIC,-MODERATE, MULTI-FOCAL -VACUOLATION, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL -B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT PANCREAS (PA) : -ATROPHY, ACINAR,-SLIGHT, FOCAL ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-SLIGHT, FOCAL HEART (HT) : -DEGENERATION/NECROSIS,-SLIGHT, MULTI-FOCAL -FIBROSIS,-SLIGHT, MULTI-FOCAL THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); DIFFUSE: MULTIPLE DARK RED FOCI, PINPOINT AND UP TO 2 MM IN DIAMETER	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	PROSTATE (PR) : -NODULAR; PROXIMAL, SURROUNDING URETHRA: GREEN AND FIRM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90897 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/17/99 STUDY DAY OF DEATH: 661 STUDY WEEK OF DEATH: 95 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/17/99 7:30 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAUSE OF DEATH (CD) : -HEPATOCELLULAR ADENOMA,-PRESENT

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90898 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/01/99 STUDY DAY OF DEATH: 431 STUDY WEEK OF DEATH: 62 TERMINAL BODY WEIGHT: 475.4 GRAMS
DATE AND TIME OF NECROPSY: 04/01/99 10:09 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: OBSERVED >EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE >BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE >EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE >SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) PITUITARY (PI) : -MASS(ES); SINGLE MASS, 6 X 6 X 9 MM, SOFT, RED, TAN AND BROWN	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-MODERATELY SEVERE, MULTI-FOCAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL ADRENAL, MEDULLA (MA) : -ONE EXAMINED,-PRESENT LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL HEART (HT) : -DEGENERATION/NECROSIS,-SLIGHT, MULTI-FOCAL PITUITARY (PI) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90898 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/01/99 STUDY DAY OF DEATH: 431 STUDY WEEK OF DEATH: 62 TERMINAL BODY WEIGHT: 475.4 GRAMS
DATE AND TIME OF NECROPSY: 04/01/99 10:09 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-DISCHARGE-OCULAR; BILATERAL: DRY RED MATERIAL
-ANIMAL THIN

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90898 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/01/99 STUDY DAY OF DEATH: 431 STUDY WEEK OF DEATH: 62 TERMINAL BODY WEIGHT: 475.4 GRAMS
DATE AND TIME OF NECROPSY: 04/01/99 10:09 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90899 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/17/00 STUDY DAY OF DEATH: 722 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: 478.0 GRAMS
DATE AND TIME OF NECROPSY: 01/17/00 8:29 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) :	BRAIN (BR) :
>SKIN & PELAGE; RED HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) :	LIVER (LI) :
>BEHAVIOR; RECUMBENT; LATERAL; VERIFIED AT NECROPSY: NOT APPLICABLE	-MASS(ES); NEAR HILUS OF PAPILLARY PROCESS: SINGLE MASS, 21 X 16 X 10 MM, RED AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (HEPATIC) NOT IDENTIFIED	-DEGENERATION, CYSTIC,-SLIGHT, FOCAL -VACUOLATION, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL
		ADRENAL, MEDULLA (MA) : -HYPERPLASIA, MEDULLARY,-MODERATE, FOCAL
		LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MODERATE, MULTI-FOCAL
		THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT
	PITUITARY (PI) : -MASS(ES); 10 MM IN DIAMETER, RED, DARK RED, TAN AND FIRM	PITUITARY (PI) : -HEMORRHAGE,-SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90899 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/17/00 STUDY DAY OF DEATH: 722 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: 478.0 GRAMS
DATE AND TIME OF NECROPSY: 01/17/00 8:29 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-MINIMAL, FOCAL STOMACH, NONGL (SU) : -EDEMA,-MINIMAL, FOCAL PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT MAMMARY, MALE (MM) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; DRY BROWN MATERIAL -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY RED MATERIAL	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90899 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/17/00 STUDY DAY OF DEATH: 722 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: 478.0 GRAMS
DATE AND TIME OF NECROPSY: 01/17/00 8:29 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90900 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 655.3 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 8:01 PROSECTOR: JODI THIEREN RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 4 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : -FIBROSIS,-MINIMAL, FOCAL -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MINIMAL, FOCAL -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -NECROSIS, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL -PIGMENT,-SLIGHT, FOCAL KIDNEY (KD) : -CYST,-MODERATE, FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT, MULTI-FOCAL
	TESTIS (TE) : -LARGE; RIGHT: 26 X 18 X 15 MM (LEFT IS 20 X 15 X 13 MM) -RED/YELLOW FOCUS(I)/AREA(S); RIGHT, BENEATH TUNICA: DIFFUSE	TESTIS (TE) : -ATROPHY/DEGENERATION,-MODERATE, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MODERATE, MULTI-FOCAL -MINERALIZATION,-SLIGHT, MULTI-FOCAL -B-INTERSTITIAL CELL TUMOR,-NEOPLASM PRESENT LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL THYROID (TY) : -HYPERPLASIA, C-CELL,-MODERATE, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90900 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 655.3 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 8:01 PROSECTOR: JODI THIEREN RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		URINARY BLADDER (UB) : -CALCULUS,-PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA)

COVANCE
THE DEVELOPMENT SERVICES COMPANY

Sponsor:

3M
St. Paul, Minnesota

FINAL REPORT

Study Title:

104-Week Dietary Carcinogenicity Study with Narrow Range (98.1%) N-Ethyl Perfluorooctanesulfonamido Ethanol in Rats

Author:

Peter J. Thomford, PhD

Study Completion Date:

December 13, 2001

Testing Facility:

Covance Laboratories Inc.
3301 Kinsman Boulevard
Madison, Wisconsin 53704-2595

Laboratory Study Identification:

Covance 6329-212

Sponsor Study Identification:

3M T-6316.1

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APPENDIX 6 (Continued) 2094
Individual Anatomic Pathology Data 2095

APPENDIX 6 (Continued)

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90901 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 06/21/99 STUDY DAY OF DEATH: 512 STUDY WEEK OF DEATH: 74 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 06/21/99 8:14 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE >APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT -HEMORRHAGE,-MINIMAL, MULTI-FOCAL LIVER (LI) : -NECROSIS, HEPATOCELLULAR,-SLIGHT, FOCAL -VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL PANCREAS (PA) : -ATROPHY, ACINAR,-SLIGHT, FOCAL -PIGMENT,-MINIMAL, MULTI-FOCAL ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MINIMAL, MULTI-FOCAL -HEMORRHAGE,-MINIMAL, MULTI-FOCAL LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL
	PITUITARY (PI) : -MASS(ES); 11 X 10 X 8 MM, RED, TAN, DARK RED AND FIRM	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90901 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 06/21/99 STUDY DAY OF DEATH: 512 STUDY WEEK OF DEATH: 74 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 06/21/99 8:14 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN LINEAR AREAS, UP TO 3 X 2 MM	STOMACH, GL (ST) : -EROSION,-MODERATE, FOCAL -PIGMENT,-MINIMAL, FOCAL PROSTATE (PR) : -INFLAMMATION, CHRONIC,-SLIGHT, MULTI-FOCAL -MINERALIZATION, LUMINAL,-MODERATE, MULTI-FOCAL CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90901 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90902 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 625.6 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 11:34 PROSECTOR: KIMBERLY DURLAND RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0261	.0042 %	.0106	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0207	.0033 %	.0084	WEIGHT TAKEN
BRAIN (BR)	2.4596	.3932 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	2.0836	.3331 %	.8471	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	2.0882	.3338 %	.8490	WEIGHT TAKEN
LIVER (LI)	25.2925	4.0429 %	10.2832	WEIGHT TAKEN
LUNG (LU)	1.9060	.3047 %	.7749	WEIGHT TAKEN
SPLEEN (SP)	.7737	.1237 %	.3146	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.6258	.2599 %	.6610	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.7143	.2740 %	.6970	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0259	.0041 %	.0105	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0204	.0033 %	.0083	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BLOOD FILM TAKEN
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

LIVER (LI) :
-HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL
-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
-VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90902 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 625.6 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 11:34 PROSECTOR: KIMBERLY DURLAND RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90903 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/29/99 STUDY DAY OF DEATH: 703 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/29/99 12:55 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: NOT OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-DEGENERATION, CYSTIC,-SLIGHT, MULTI-FOCAL
-HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL
-VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL
KIDNEY (KD) :
-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
PANCREAS (PA) :
-FIBROSIS,-SLIGHT, MULTI-FOCAL
-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
-B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT
ADRENAL, CORTEX (AC) :
-HEMORRHAGE,-SLIGHT, FOCAL
THYROID (TY) :
-B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT
PITUITARY (PI) :
-CYST,-PRESENT
-B-ADENOMA,-NEOPLASM PRESENT
STOMACH, GL (ST) :
>UNREMARKABLE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90903 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/29/99 STUDY DAY OF DEATH: 703 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/29/99 12:55 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE BLACK FOCI, PINPOINT AND UP TO 1 MM IN DIAMETER	
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL, MULTI-FOCAL
		CAUSE OF DEATH (CD) : -UNDETERMINED,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: DARK RED; COLLECTED	LN, MANDIBULAR (MN) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -INFILTRATE, MACROPHAGE, PIGMENTED,- MINIMAL, MULTI-FOCAL
	GENERAL COMMENT (GC) : -DISCHARGE-NASAL; RED AND MOIST -STAINS - SKIN/HAIRCOAT; ENTIRE VENTRAL SURFACE: MOIST AND YELLOW	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90903 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/29/99 STUDY DAY OF DEATH: 703 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/29/99 12:55 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90904 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 572.8 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 10:55 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>DISCHARGE; NASAL; RED IN COLOR; VERIFIED AT NECROPSY: NOT OBSERVED	LIVER (LI) : -MASS(ES); ATTACHED TO VISCERAL SURFACE OF RIGHT MEDIAN LOBE: SINGLE MASS, 17 X 15 X 6 MM, TAN, RED, VASCULAR AND SOFT; SAME ON CUT SURFACE; COLLECTED ON ROUTINE SECTION; REGIONAL LN (HEPATIC) NOT IDENTIFIED	LIVER (LI) : -PIGMENT,-SLIGHT, MULTI-FOCAL -VACUOLATION, HEPATOCELLULAR,-MODERATELY SEVERE, MULTI-FOCAL -B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT LIVER, OIL RED O (LI1) : -POSITIVE OIL RED O STAINING,-MODERATELY SEVERE, MULTI-FOCAL KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL PANCREAS (PA) : -ATROPHY, ACINAR,-MINIMAL, FOCAL ADRENAL, CORTEX (AC) : -VACUOLATION,-SLIGHT, MULTI-FOCAL LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT -B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90904 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 572.8 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 10:55 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, MANDIBULAR (MN) : -MOTTLED; RIGHT: RED AND TAN; COLLECTED	LN, MANDIBULAR (MN) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL
		LN, MEDIASTINAL (ML) : -DILATATION, SINUSOIDAL,-SLIGHT, FOCAL >NOTE:>MEDIASTINAL LYMPH NODE WAS PRESENT ON THYMUS SLIDE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90904 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 572.8 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 10:55 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90905 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 420.9 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 13:32 PROSECTOR: TODD ACKER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0327	.0078 %	.0149	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0281	.0067 %	.0128	WEIGHT TAKEN
BRAIN (BR)	2.1911	.5206 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.9594	.4655 %	.8943	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.9588	.4654 %	.8940	WEIGHT TAKEN
LIVER (LI)	21.7331	5.1635 %	9.9188	WEIGHT TAKEN
LUNG (LU)	1.6862	.4006 %	.7696	WEIGHT TAKEN
SPLEEN (SP)	.6461	.1535 %	.2949	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.5387	.3656 %	.7023	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.4719	.3497 %	.6718	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0141	.0033 %	.0064	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0111	.0026 %	.0051	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

LIVER (LI) :
-HYPERTROPHY, CENTRILOBULAR,
HEPATOCELLULAR,-SLIGHT, DIFFUSE
ADRENAL, CORTEX (AC) :
-VACUOLATION,-MINIMAL, MULTI-FOCAL
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90905 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 420.9 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 13:32 PROSECTOR: TODD ACKER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90906 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/08/00 STUDY DAY OF DEATH: 713 STUDY WEEK OF DEATH: 102 TERMINAL BODY WEIGHT: 578.4 GRAMS
DATE AND TIME OF NECROPSY: 01/08/00 8:09 PROSECTOR: DONIA MEYER RECORDER: DONIA MEYER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>SKIN & PELAGE; BROWN HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED		-DILATATION, VENTRICULAR,-PRESENT
	LIVER (LI) :	LIVER (LI) :
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	-MOTTLED; ALL LOBES: DARK RED AND TAN	-VACUOLATION, HEPATOCELLULAR,-SEVERE, DIFFUSE
	KIDNEY (KD) :	KIDNEY (KD) :
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED	-ROUGH SURFACE, DIFFUSE; BILATERAL	-NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATELY SEVERE, DIFFUSE
	-MOTTLED; BILATERAL: DARK RED AND TAN	ADRENAL, CORTEX (AC) :
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		-ANGIECTASIS,-MODERATE, MULTI-FOCAL
		-HEMORRHAGE,-MODERATE, MULTI-FOCAL
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE		-VACUOLATION,-MODERATE, MULTI-FOCAL
		HEART (HT) :
		-DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL
		MUSCLE, SKELETAL (SM) :
		-DEGENERATION/NECROSIS,-SLIGHT, MULTI-FOCAL
		THYROID (TY) :
		-CYST, FOLLICULAR,-SLIGHT, FOCAL
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 9 X 8 X 4 MM, DARK RED, TAN AND SOFT	-HEMORRHAGE,-MODERATE, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90906 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/08/00 STUDY DAY OF DEATH: 713 STUDY WEEK OF DEATH: 102 TERMINAL BODY WEIGHT: 578.4 GRAMS
DATE AND TIME OF NECROPSY: 01/08/00 8:09 PROSECTOR: DONIA MEYER RECORDER: DONIA MEYER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE, MULTI-FOCAL SEMINAL VESICLES (SV) : -HYPERPLASIA, EPITHELIAL,-MODERATE, DIFFUSE -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT MAMMARY, MALE (MM) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY RED MATERIAL -STAINS - SKIN/HAIRCOAT; ENTIRE VENTRAL SURFACE: BROWN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90906 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/08/00 STUDY DAY OF DEATH: 713 STUDY WEEK OF DEATH: 102 TERMINAL BODY WEIGHT: 578.4 GRAMS
DATE AND TIME OF NECROPSY: 01/08/00 8:09 PROSECTOR: DONIA MEYER RECORDER: DONIA MEYER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90907 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 449.3 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 13:46 PROSECTOR: TERRI L. WILLIAMS RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0302	.0067 %	.0137	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0300	.0067 %	.0137	WEIGHT TAKEN
BRAIN (BR)	2.1970	.4890 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.9941	.4438 %	.9076	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.9800	.4407 %	.9012	WEIGHT TAKEN
LIVER (LI)	21.0493	4.6849 %	9.5809	WEIGHT TAKEN
LUNG (LU)	1.7525	.3901 %	.7977	WEIGHT TAKEN
SPLEEN (SP)	.6630	.1476 %	.3018	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.7456	.3885 %	.7945	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.8060	.4020 %	.8220	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0156	.0035 %	.0071	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0121	.0027 %	.0055	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

LIVER (LI) :
-HYPERTROPHY, CENTRILOBULAR,
HEPATOCELLULAR,-SLIGHT, DIFFUSE
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90907 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90908 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 786.8 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 10:49 PROSECTOR: JODI THIEREN RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED		BRAIN (BR) : -B-GRANULAR CELL TUMOR,-NEOPLASM PRESENT LIVER (LI) : -DEGENERATION, CYSTIC,-MODERATE, MULTI-FOCAL -VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL LIVER, OIL RED O (LI1) : -POSITIVE OIL RED O STAINING,-MODERATE, MULTI-FOCAL
	KIDNEY (KD) : -LARGE PELVIS(ES); RIGHT	KIDNEY (KD) : -DILATATION, PELVIC,-PRESENT -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL PANCREAS (PA) : -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT
	TESTIS (TE) : -RED FOCUS(I)/AREA(S); LEFT, BENEATH TUNICA: SINGLE DARK RED AREA, 7 X 6 MM	TESTIS (TE) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-INTERSTITIAL CELL TUMOR,-NEOPLASM PRESENT THYROID (TY) : -B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -LIGHT FOCUS(I)/AREA(S); RIGHT POSTERIOR ASPECT: SINGLE TAN AREA, 2 MM IN DIAMETER	PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		RECTUM (RE) : -PARASITISM,-PRESENT
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL UPPER INCISORS -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90908 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
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DATE AND TIME OF NECROPSY: 01/25/00 10:49 PROSECTOR: JODI THIEREN RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90909 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 790.3 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 13:45 PROSECTOR: DONIA MEYER RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0337	.0043 %	.0139	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0281	.0036 %	.0116	WEIGHT TAKEN
BRAIN (BR)	2.4329	.3078 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	3.0718	.3887 %	1.2626	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	3.1441	.3978 %	1.2923	WEIGHT TAKEN
LIVER (LI)	37.4539	4.7392 %	15.3948	WEIGHT TAKEN
LUNG (LU)	2.7025	.3420 %	1.1108	WEIGHT TAKEN
SPLEEN (SP)	1.2044	.1524 %	.4950	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.8463	.2336 %	.7589	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.8493	.2340 %	.7601	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0277	.0035 %	.0114	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0393	.0050 %	.0162	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL
-VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
PANCREAS (PA) :
-FIBROSIS,-MINIMAL, MULTI-FOCAL
-PIGMENT,-MINIMAL, MULTI-FOCAL
HEART (HT) :
-DEGENERATION/NECROSIS,-MINIMAL, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90909 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 790.3 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 13:45 PROSECTOR: DONIA MEYER RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT PITUITARY (PI) : -HYPERPLASIA,-MINIMAL, FOCAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90909 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90910 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 809.9 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 8:46 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); LEFT LATERAL LOBE: MULTIPLE DARK RED AREAS, UP TO 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION	LIVER (LI) : -DEGENERATION, CYSTIC,-MINIMAL, FOCAL -HYPERPLASIA, BILE DUCT,-SLIGHT, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL PANCREAS (PA) : -ATROPHY, ACINAR,-MODERATELY SEVERE, FOCAL ADRENAL, CORTEX (AC) : -HYPERPLASIA, CORTICAL,-SLIGHT, FOCAL -VACUOLATION,-SLIGHT, FOCAL LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT -B-ADENOMA, C-CELL,-NEOPLASM PRESENT PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90910 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 809.9 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 8:46 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -LIGHT FOCUS(I)/AREA(S); MID ASPECT: SINGLE GRAY AREA, 3 MM IN DIAMETER	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90910 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 809.9 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 8:46 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90911 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 719.9 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 10:53 PROSECTOR: JERALD W. JOHNSON RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>WART LIKE LESION(S); MOUTH; WEEK 95; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -LIGHT FOCUS(I)/AREA(S); RIGHT MEDIAN LOBE: SINGLE TAN AREA, 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION -LARGE; ALL LOBES -DARK FOCUS(I)/AREA(S); LEFT LATERAL LOBE: SINGLE DARK BROWN AREA, 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION KIDNEY (KD) : -DIFFUSELY DARK; BILATERAL: DARK BROWN ADRENAL, CORTEX (AC) : -DIFFUSELY DARK; BILATERAL: DARK BROWN	LIVER (LI) : -DEGENERATION, CYSTIC,-MINIMAL, MULTI-FOCAL -HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR,-MODERATELY SEVERE, DIFFUSE -LIPIDOSIS, SUBCAPSULAR (TENSION LIPIDOSIS),-MODERATELY SEVERE, FOCAL -VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL KIDNEY (KD) : >UNREMARKABLE PANCREAS (PA) : -ATROPHY, ACINAR,-SLIGHT, MULTI-FOCAL ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MINIMAL, MULTI-FOCAL -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -VACUOLATION,-SLIGHT, FOCAL TESTIS (TE) : -MINERALIZATION, VASCULAR,-SLIGHT, MULTI-FOCAL HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90911 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 719.9 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 10:53 PROSECTOR: JERALD W. JOHNSON RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYROID (TY) : -CYST, FOLLICULAR,-MODERATELY SEVERE, FOCAL -HYPERPLASIA, FOLLICULAR CELL,-MODERATE, FOCAL RECTUM (RE) : -PARASITISM,-PRESENT
	SKIN (SK) : -RAISED AREA(S); LEFT UPPER LIP: SINGLE GRAY, RAISED AREA, 3 MM IN DIAMETER (CAP 22); POSSIBLY CONSISTENT WITH WART-LIKE LESION (MOUTH) AS NOTED IN CLINICAL OBSERVATIONS	SKIN (SK) : -B-PAPILLOMA, SQUAMOUS CELL,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -ANIMAL OBESE	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90911 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 719.9 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 10:53 PROSECTOR: JERALD W. JOHNSON RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90912 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/16/99 STUDY DAY OF DEATH: 568 STUDY WEEK OF DEATH: 82 TERMINAL BODY WEIGHT: 403.4 GRAMS
DATE AND TIME OF NECROPSY: 08/16/99 13:25 PROSECTOR: DAVID SCHUETTE RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL -PYELONEPHRITIS,-SLIGHT, FOCAL
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE		
>SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE		
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: NOT OBSERVED	ADRENAL, CORTEX (AC) : -SMALL; BILATERAL: EACH IS 4 X 3 X 2 MM	ADRENAL, CORTEX (AC) : >UNREMARKABLE
	TESTIS (TE) : -SMALL; BILATERAL: EACH IS 18 X 10 X 5 MM; BOTH ARE SOFT	TESTIS (TE) : -ATROPHY/DEGENERATION,-SEVERE, DIFFUSE
		LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL, MULTI-FOCAL -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL
		THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
		PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE OF DEATH: 08/16/99 STUDY DAY OF DEATH: 568 STUDY WEEK OF DEATH: 82 TERMINAL BODY WEIGHT: 403.4 GRAMS
DATE AND TIME OF NECROPSY: 08/16/99 13:25 PROSECTOR: DAVID SCHUETTE RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 12 X 10 X 6 MM, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
	PROSTATE (PR) : -SMALL; 10 X 8 X 5 MM	PROSTATE (PR) : -INFLAMMATION, ACUTE,-MINIMAL, MULTI-FOCAL -MINERALIZATION, LUMINAL,-MODERATE, MULTI-FOCAL
	SEMINAL VESICLES (SV) : -SMALL; BILATERAL: EACH IS 15 X 6 X 3 MM	SEMINAL VESICLES (SV) : >UNREMARKABLE
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
		MAMMARY, MALE (MM) : -PIGMENT,-MINIMAL, MULTI-FOCAL
	TAIL (TI) : -CRUSTED AREA(S); ALONG ENTIRE TAIL: MULTIPLE DRY AND BROWN CRUSTED AREAS, UP TO 5 X 3 MM; COLLECTED	TAIL (TI) : -CYST, EPIDERMAL INCLUSION,-PRESENT -INFLAMMATION, ACUTE,-MODERATE, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90912 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/16/99 STUDY DAY OF DEATH: 568 STUDY WEEK OF DEATH: 82 TERMINAL BODY WEIGHT: 403.4 GRAMS
DATE AND TIME OF NECROPSY: 08/16/99 13:25 PROSECTOR: DAVID SCHUETTE RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90913 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 607.9 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 13:46 PROSECTOR: GREGORY CODDINGTON RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0320	.0053 %	.0145	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0270	.0044 %	.0122	WEIGHT TAKEN
BRAIN (BR)	2.2108	.3637 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	2.0030	.3295 %	.9060	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.9603	.3225 %	.8867	WEIGHT TAKEN
LIVER (LI)	30.9958	5.0988 %	14.0202	WEIGHT TAKEN
LUNG (LU)	2.0592	.3387 %	.9314	WEIGHT TAKEN
SPLEEN (SP)	.7228	.1189 %	.3269	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.6724	.2751 %	.7565	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.7264	.2840 %	.7809	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0256	.0042 %	.0116	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0249	.0041 %	.0113	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; MISSING; TEETH; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR,-MODERATELY SEVERE, MULTI-FOCAL
-VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL
THYROID (TY) :
-CYST, FOLLICULAR,-MINIMAL, MULTI-FOCAL
PITUITARY (PI) :
-HYPERPLASIA,-MINIMAL, FOCAL
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90913 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 607.9 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 13:46 PROSECTOR: GREGORY CODDINGTON RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; UPPER RIGHT INCISOR -BONE MARROW SMEAR TAKEN -TEETH MISSING/BROKEN/WORN; UPPER LEFT INCISOR MISSING	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90913 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 607.9 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 13:46 PROSECTOR: GREGORY CODDINGTON RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90914 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/22/99 STUDY DAY OF DEATH: 696 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: 655.2 GRAMS
DATE AND TIME OF NECROPSY: 12/22/99 14:32 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>MASS(ES); LIMB-HIND-LEFT; WEEK 76; 65 X 60MM; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: NOT OBSERVED
>SKIN & PELAGE; RED HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: NOT OBSERVED
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

LIVER (LI) :
-RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 5 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
-DILATATION, VENTRICULAR,-PRESENT
LIVER (LI) :
-HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL
-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
-VACUOLATION, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL
-B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT
KIDNEY (KD) :
-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
ADRENAL, CORTEX (AC) :
-VACUOLATION,-MINIMAL, FOCAL
ADRENAL, MEDULLA (MA) :
-B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT
THYMUS (TH) :
-CYST,-PRESENT
THYROID (TY) :
-CYST, FOLLICULAR,-MODERATE, FOCAL
-B-ADENOMA, C-CELL,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90914 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/22/99 STUDY DAY OF DEATH: 696 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: 655.2 GRAMS
DATE AND TIME OF NECROPSY: 12/22/99 14:32 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PARATHYROID (PT) : -LARGE; RIGHT: 5 MM IN DIAMETER (LEFT IS 1 MM IN DIAMETER)	PARATHYROID (PT) : >UNREMARKABLE
	PITUITARY (PI) : -MASS(ES); 12 X 10 X 6 MM, DARK RED, RED, TAN, AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		SKIN (SK) : -B-LIPOMA,-NEOPLASM PRESENT
		PROSTATE (PR) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
	SEMINAL VESICLES (SV) : -LARGE; BILATERAL: EACH IS 30 X 20 X 12 MM	SEMINAL VESICLES (SV) : -SECRETION, INCREASED,-PRESENT
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	MAMMARY, MALE (MM) : -MASS(ES); LEFT LATERAL LUMBAR REGION: SINGLE MASS, 20 X 20 X 10 MM, GRAY AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, MALE (MM) : >UNREMARKABLE >NOTE:>MAMMARY MASS DESCRIBED GROSSLY WAS A SUBCUTANEOUS LIPOMA
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL OBESE	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90914 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/22/99 STUDY DAY OF DEATH: 696 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: 655.2 GRAMS
DATE AND TIME OF NECROPSY: 12/22/99 14:32 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90915 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/22/99 STUDY DAY OF DEATH: 666 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/22/99 13:03 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>DISCHARGE; NASAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,- MINIMAL, MULTI-FOCAL
	THYMUS (TH) : -MISSING/NOT IDENTIFIED; NOT POSITIVELY IDENTIFIED; POSSIBLE REMNANTS COLLECTED	THYMUS (TH) : >SECTION EXAMINED; TISSUE NOT PRESENT
		PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		STOMACH, GL (ST) : >AUTOLYTIC
		STOMACH, NONGL (SU) : >AUTOLYTIC
		DUODENUM (DU) : >AUTOLYTIC
		JEJUNUM (JE) : >AUTOLYTIC
		ILEUM (IL) : >AUTOLYTIC
		CECUM (CE) : >AUTOLYTIC
		COLON (CO) : >AUTOLYTIC

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90915 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/22/99 STUDY DAY OF DEATH: 666 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/22/99 13:03 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PROSTATE (PR) : -INFLAMMATION, CHRONIC,-SLIGHT, MULTI-FOCAL CAUSE OF DEATH (CD) : -UNDETERMINED,-PRESENT
	GENERAL COMMENT (GC) : -DISCHARGE-NASAL; DARK RED AND DRY -AUTOLYSIS-SEVERE; ENTIRE ANIMAL	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90915 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/22/99 STUDY DAY OF DEATH: 666 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/22/99 13:03 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90916 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 723.8 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 12:53 PROSECTOR: JERALD W. JOHNSON RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: NOT OBSERVED	LIVER (LI) : -LARGE; ALL LOBES -MOTTLED; ALL LOBES: RED AND TAN GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -ANIMAL OBESE	LIVER (LI) : -HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL -VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL ADRENAL, CORTEX (AC) : -VACUOLATION,-MINIMAL, MULTI-FOCAL THYROID (TY) : -CYST, FOLLICULAR,-SLIGHT, MULTI-FOCAL -HYPERPLASIA, FOLLICULAR CELL,-SLIGHT, FOCAL RECTUM (RE) : -PARASITISM,-PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90916 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 723.8 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 12:53 PROSECTOR: JERALD W. JOHNSON RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90917 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 495.5 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 13:07 PROSECTOR: TERRI L. WILLIAMS RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0301	.0061 %	.0134	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0250	.0050 %	.0112	WEIGHT TAKEN
BRAIN (BR)	2.2389	.4518 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	2.2821	.4606 %	1.0193	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	2.2453	.4531 %	1.0029	WEIGHT TAKEN
LIVER (LI)	24.6177	4.9683 %	10.9954	WEIGHT TAKEN
LUNG (LU)	1.5560	.3140 %	.6950	WEIGHT TAKEN
SPLEEN (SP)	.7012	.1415 %	.3132	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.8522	.3738 %	.8273	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.8916	.3818 %	.8449	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0135	.0027 %	.0060	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0120	.0024 %	.0054	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

LIVER (LI) :
-HYPERTROPHY, CENTRILOBULAR,
HEPATOCELLULAR,-SLIGHT, DIFFUSE
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90917 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 495.5 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 13:07 PROSECTOR: TERRI L. WILLIAMS RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90918 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 669.9 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 10:32 PROSECTOR: DONIA MEYER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0390	.0058 %	.0156	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0325	.0049 %	.0130	WEIGHT TAKEN
BRAIN (BR)	2.4945	.3724 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	2.4369	.3638 %	.9769	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	2.5132	.3752 %	1.0075	WEIGHT TAKEN
LIVER (LI)	29.5214	4.4068 %	11.8346	WEIGHT TAKEN
LUNG (LU)	1.8496	.2761 %	.7415	WEIGHT TAKEN
SPLEEN (SP)	.6504	.0971 %	.2607	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.0050	.1500 %	.4029	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.6530	.2468 %	.6627	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0274	.0041 %	.0110	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0263	.0039 %	.0105	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL
-VACUOLATION, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL
KIDNEY (KD) :
-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
TESTIS (TE) :
-ATROPHY/DEGENERATION,-SEVERE, MULTI-FOCAL
PITUITARY (PI) :
-HEMORRHAGE,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90918 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
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DATE AND TIME OF NECROPSY: 01/27/99 10:32 PROSECTOR: DONIA MEYER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 9 X 7 X 5 MM, RED, DARK RED AND TAN	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90918 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 669.9 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 10:32 PROSECTOR: DONIA MEYER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90919 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 07/30/99 STUDY DAY OF DEATH: 551 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 07/30/99 10:00 PROSECTOR: NANCY DIEDRICH RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; SWOLLEN; PAWS-FRONT; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -HYPERPLASIA, BILE DUCT,-MINIMAL, FOCAL
>SKIN & PELAGE; SORE/SCAB; EARS; VERIFIED AT NECROPSY: NOT OBSERVED	KIDNEY (KD) : -LARGE PELVIS(ES); LEFT	KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -DILATATION, PELVIC,-PRESENT
	LUNG (LU) : -MOTTLED; ALL LOBES: RED AND DARK RED -ADHESION(S); ALL RIGHT LOBES TO EACH OTHER: MULTIPLE GREY FIBROUS ADHESIONS; COLLECTED INTACT	LUNG (LU) : -FIBROSIS, PLEURAL/SUBPLEURAL,-MODERATE, MULTI-FOCAL -MINERALIZATION, VASCULAR,-MINIMAL, MULTI-FOCAL
		PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		JEJUNUM (JE) : >AUTOLYTIC
		ILEUM (IL) : >AUTOLYTIC
		CECUM (CE) : >AUTOLYTIC
	URINARY BLADDER (UB) : -SEMIFLUID MATERIAL; DARK RED GRANULAR SEMIFLUID -RED FOCUS(I)/AREA(S); DIFFUSE: MULTIPLE DARK RED AREAS, UP TO 2 X 1 MM	URINARY BLADDER (UB) : >UNREMARKABLE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90919 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 07/30/99 STUDY DAY OF DEATH: 551 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 07/30/99 10:00 PROSECTOR: NANCY DIEDRICH RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PROSTATE (PR) : -DIFFUSELY RED; DARK RED	PROSTATE (PR) : -EDEMA,-MODERATE, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL -INFLAMMATION, ACUTE,-MODERATE, MULTI-FOCAL
	SEMINAL VESICLES (SV) : -GELATINOUS; BILATERAL: GREY AND CLEAR -LARGE; BILATERAL: EACH IS 30 X 15 X 5 MM -DIFFUSELY RED; BILATERAL: DARK RED	SEMINAL VESICLES (SV) : -INFLAMMATION, CHRONIC,-MINIMAL, FOCAL
		CAUSE OF DEATH (CD) : -UNDETERMINED,-PRESENT
	JOINT, OTHER (JT) : -LARGE; LEFT CARPAL JOINT: UP TO 10 MM IN DIAMETER; COLLECTED	JOINT, OTHER (JT) : -EXOSTOSES,-SEVERE, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
	GENERAL COMMENT (GC) : -URINARY BLADDER-LARGE LUMEN; 30 X 20 X 15 MM	
	GENERAL INFORMATION (XX) : >NOTE:>SWOLLEN (RIGHT FRONT PAW) AS NOTED IN CLINICAL OBSERVATIONS WAS NOT OBSERVED AT TIME OF NECROPSY	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90919 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
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DATE AND TIME OF NECROPSY: 07/30/99 10:00 PROSECTOR: NANCY DIEDRICH RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), COLON (CO), RECTUM (RE), SKIN (SK), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90920 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/22/00 STUDY DAY OF DEATH: 727 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: 643.5 GRAMS
DATE AND TIME OF NECROPSY: 01/22/00 9:36 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>SKIN & PELAGE; SORE/SCAB; SCROTUM;
VERIFIED AT NECROPSY: NOT OBSERVED
>EXCRETION; NONFORMED FECES; VERIFIED
AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT
NECROPSY: NOT APPLICABLE
>APPEARANCE; HUNCHED; VERIFIED AT
NECROPSY: NOT APPLICABLE
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED
AT NECROPSY: NOT APPLICABLE
>DISCHARGE; NASAL; RED IN COLOR;
VERIFIED AT NECROPSY: OBSERVED
>RESPIRATION; LABORED; VERIFIED AT
NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
-DILATATION, VENTRICULAR,-PRESENT
LIVER (LI) :
-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-
FOCAL
-VACUOLATION, HEPATOCELLULAR,-MODERATE,
MULTI-FOCAL
KIDNEY (KD) :
-CAST, PROTEINACEOUS,-MINIMAL, MULTI-
FOCAL
-PYELONEPHRITIS,-SLIGHT, FOCAL
ADRENAL, CORTEX (AC) :
-ANGIECTASIS,-SLIGHT, FOCAL
-DEGENERATION, CYSTIC, CORTICAL,-
SLIGHT, FOCAL
-HEMORRHAGE,-SLIGHT, FOCAL
-HYPERTROPHY, CORTICAL CELL,-SLIGHT,
FOCAL
-THROMBUS,-SLIGHT, FOCAL
THYMUS (TH) :
>SECTION EXAMINED; TISSUE NOT PRESENT
LUNG (LU) :
-INFILTRATE, MACROPHAGE, ALVEOLAR,-
MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90920 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/22/00 STUDY DAY OF DEATH: 727 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: 643.5 GRAMS
DATE AND TIME OF NECROPSY: 01/22/00 9:36 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT
	PITUITARY (PI) : -MASS(ES); 8 X 5 X 5 MM, RED, GRAY AND FIRM	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; DRY BROWN MATERIAL -BLOOD FILM TAKEN -DISCHARGE-NASAL; DRY RED MATERIAL	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 01/22/00 9:36 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90921 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 520.7 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 10:24 PROSECTOR: MICHELE MARGGI RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0248	.0048 %	.0111	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0270	.0052 %	.0121	WEIGHT TAKEN
BRAIN (BR)	2.2400	.4302 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	2.5569	.4911 %	1.1415	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	2.6329	.5056 %	1.1754	WEIGHT TAKEN
LIVER (LI)	29.9661	5.7550 %	13.3777	WEIGHT TAKEN
LUNG (LU)	1.6740	.3215 %	.7473	WEIGHT TAKEN
SPLEEN (SP)	.6825	.1311 %	.3047	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.8368	.3528 %	.8200	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.8132	.3482 %	.8095	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0142	.0027 %	.0063	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0149	.0029 %	.0067	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

SKIN (SK) :
-RED FOCUS(I)/AREA(S); OVERLYING RIGHT CARPAL JOINT: SINGLE DARK RED AREA, 5 MM IN DIAMETER (CAP 21)

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

LIVER (LI) :
-HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR,-SLIGHT, DIFFUSE
-VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL

SKIN (SK) :
>NOT REQUIRED TO BE EXAMINED FOR ANIMAL

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90921 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 520.7 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 10:24 PROSECTOR: MICHELE MARGGI RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90922 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/12/99 STUDY DAY OF DEATH: 442 STUDY WEEK OF DEATH: 64 TERMINAL BODY WEIGHT: 315.7 GRAMS
DATE AND TIME OF NECROPSY: 04/12/99 15:32 PROSECTOR: NANCY DIEDRICH RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) :	BRAIN (BR) :
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) :	-DILATATION, VENTRICULAR,-PRESENT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	-DIFFUSELY DARK; ALL LOBES: DARK BROWN	LIVER (LI) :
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
		KIDNEY (KD) :
		-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
		-MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
		-MINERALIZATION, TUBULAR,-MINIMAL, MULTI-FOCAL
		-PYELONEPHRITIS,-SLIGHT, FOCAL
		SPLEEN (SP) :
		-PIGMENT, INCREASED,-SLIGHT, MULTI-FOCAL
		LN, MESENTERIC (MS) :
		-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 10 MM IN DIAMETER, RED, DARK RED, TAN AND SOFT	-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
	PROSTATE (PR) :	-B-ADENOMA,-NEOPLASM PRESENT
	-NODULAR; PROXIMAL, SURROUNDING URETHRA: GREEN AND FIRM	PROSTATE (PR) :
		-INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90922 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/12/99 STUDY DAY OF DEATH: 442 STUDY WEEK OF DEATH: 64 TERMINAL BODY WEIGHT: 315.7 GRAMS
DATE AND TIME OF NECROPSY: 04/12/99 15:32 PROSECTOR: NANCY DIEDRICH RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	SEMINAL VESICLES (SV) : -LARGE; BILATERAL: EACH IS 30 X 15 X 5 MM	SEMINAL VESICLES (SV) : -SECRETION, INCREASED,-PRESENT
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
		MAMMARY, MALE (MM) : -PIGMENT,-MINIMAL, MULTI-FOCAL
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; YELLOWISH-BROWN MATERIAL -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90922 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/12/99 STUDY DAY OF DEATH: 442 STUDY WEEK OF DEATH: 64 TERMINAL BODY WEIGHT: 315.7 GRAMS
DATE AND TIME OF NECROPSY: 04/12/99 15:32 PROSECTOR: NANCY DIEDRICH RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90923 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/18/99 STUDY DAY OF DEATH: 601 STUDY WEEK OF DEATH: 86 TERMINAL BODY WEIGHT: 465.7 GRAMS
DATE AND TIME OF NECROPSY: 09/18/99 12:56 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>DISCHARGE; NASAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>SKIN & PELAGE; RED HAIR COAT; HEAD-CRANIAL; VERIFIED AT NECROPSY: NOT OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
		-DILATATION, VENTRICULAR,-PRESENT
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) :
		-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT, MULTI-FOCAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED		PANCREAS (PA) :
		-ATROPHY, ACINAR,-SLIGHT, MULTI-FOCAL
		ADRENAL, CORTEX (AC) :
		-VACUOLATION,-MINIMAL, FOCAL
		TESTIS (TE) :
		-MINERALIZATION, VASCULAR,-MINIMAL, MULTI-FOCAL
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 10 MM IN DIAMETER, RED, DARK RED, BLACK, AND SOFT	-HEMORRHAGE,-MODERATE, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) :	STOMACH, GL (ST) :
	-DARK FOCUS(I)/AREA(S); MUCOSA: SINGLE DARK BROWN AREA, 2 MM IN DIAMETER	-EROSION,-MINIMAL, FOCAL
		PROSTATE (PR) :
		-INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90923 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/18/99 STUDY DAY OF DEATH: 601 STUDY WEEK OF DEATH: 86 TERMINAL BODY WEIGHT: 465.7 GRAMS
DATE AND TIME OF NECROPSY: 09/18/99 12:56 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	SEMINAL VESICLES (SV) : -SMALL; BILATERAL: EACH IS 13 X 5 X 2 MM	SEMINAL VESICLES (SV) : >UNREMARKABLE
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	LN, LUMBAR/ILIAC (LM) : -LARGE; BILATERAL: LEFT IS 15 X 8 X 3 MM, RIGHT IS 13 X 5 X 3 MM; BOTH APPEAR GELATINOUS	LN, LUMBAR/ILIAC (LM) : -DILATATION, SINUSOIDAL,-MODERATELY SEVERE, MULTI-FOCAL
		TAIL (TI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-NASAL; BILATERAL: RED -STAINS - SKIN/HAIRCOAT; VENTRAL PERIANAL, PERINEUM, AND ABDOMINAL REGIONS: DARK RED -TAIL - BENT/MISSING; 46 MM FROM TIP, BENT: CORE OF TAIL IS EXPOSED; SURROUNDING TISSUE IS DARK RED; COLLECTED	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90923 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/18/99 STUDY DAY OF DEATH: 601 STUDY WEEK OF DEATH: 86 TERMINAL BODY WEIGHT: 465.7 GRAMS
DATE AND TIME OF NECROPSY: 09/18/99 12:56 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90924 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 614.7 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 13:21 PROSECTOR: JODI THIEREN RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0402	.0065 %	.0166	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0332	.0054 %	.0137	WEIGHT TAKEN
BRAIN (BR)	2.4172	.3932 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	2.8755	.4678 %	1.1896	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	2.8181	.4585 %	1.1659	WEIGHT TAKEN
LIVER (LI)	33.4640	5.4440 %	13.8441	WEIGHT TAKEN
LUNG (LU)	2.1269	.3460 %	.8799	WEIGHT TAKEN
SPLEEN (SP)	.8329	.1355 %	.3446	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.8639	.3032 %	.7711	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.8872	.3070 %	.7807	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0199	.0032 %	.0082	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0288	.0047 %	.0119	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-MALOCCLUSION; BILATERAL LOWER INCISORS
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

LIVER (LI) :
-HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR,-MODERATELY SEVERE, MULTI-FOCAL
-VACUOLATION, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90924 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 614.7 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 13:21 PROSECTOR: JODI THIEREN RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90925 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/02/99 STUDY DAY OF DEATH: 646 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 624.5 GRAMS
DATE AND TIME OF NECROPSY: 11/02/99 14:45 PROSECTOR: JOHN S. HALFORD RECORDER: CHANESTA ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
		LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL
	KIDNEY (KD) : -LARGE PELVIS(ES); BILATERAL -GRANULAR MATERIAL; RIGHT, WITHIN PELVIS: MULTIPLE TAN AND FIRM GRANULES, PINPOINT AND UP TO 1 MM IN DIAMETER	KIDNEY (KD) : -DILATATION, PELVIC,-PRESENT -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT, MULTI-FOCAL
		ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-SLIGHT, FOCAL -VACUOLATION,-MINIMAL, MULTI-FOCAL
		HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL
		THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 7 X 6 X 4 MM: DARK RED, GRAY, LOBULATED, AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90925 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/02/99 STUDY DAY OF DEATH: 646 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 624.5 GRAMS
DATE AND TIME OF NECROPSY: 11/02/99 14:45 PROSECTOR: JOHN S. HALFORD RECORDER: CHANESTA ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA, TISSUE SURROUNDING PYLORIC VALVE: MULTIPLE DARK BROWN FOCI, UP TO 1 MM IN DIAMETER	STOMACH, GL (ST) : -EDEMA,-MINIMAL, FOCAL -EROSION,-MINIMAL, FOCAL
	URINARY BLADDER (UB) : -SEMIFLUID MATERIAL; WITHIN LUMEN: DARK BROWN MUCOID SEMIFLUID MATERIAL	URINARY BLADDER (UB) : >UNREMARKABLE
	PROSTATE (PR) : -NODULAR; PROXIMAL, TISSUE SURROUNDING URETHRA: GREEN AND FIRM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE, MULTI-FOCAL CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	MAMMARY, MALE (MM) : -THICKENED; ALL REGIONS DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	MAMMARY, MALE (MM) : >UNREMARKABLE
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; BOTH REGIONS: MOIST AND DRY YELLOW MATERIAL -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY RED MATERIAL -DISCHARGE-NASAL; DRY RED MATERIAL -ANIMAL OBESE	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90925 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/02/99 STUDY DAY OF DEATH: 646 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 624.5 GRAMS
DATE AND TIME OF NECROPSY: 11/02/99 14:45 PROSECTOR: JOHN S. HALFORD RECORDER: CHANESTA ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90926 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 432.6 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 12:59 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: NOT OBSERVED	LIVER (LI) :	LIVER (LI) :
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED	-MOTTLED; ALL LOBES, DIFFUSE: BROWN, YELLOW AND DARK RED	-DEGENERATION, CYSTIC,-MODERATE, MULTI-FOCAL
		-FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MODERATE, FOCAL
		-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
		-VACUOLATION, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL
		LIVER, OIL RED O (LI1) :
		-POSITIVE OIL RED O STAINING,-MODERATE, MULTI-FOCAL
		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT, MULTI-FOCAL
	TESTIS (TE) :	TESTIS (TE) :
	-SMALL; BILATERAL: EACH IS 22 X 12 X 8 MM; BOTH APPEAR SOFT	-ATROPHY/DEGENERATION,-SEVERE, DIFFUSE
		THYROID (TY) :
		-CYST, ULTIMOBRANCHIAL,-PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 10 X 9 X 7 MM, TAN, RED AND SOFT	-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90926 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 432.6 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 12:59 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN AREAS, UP TO 2 X 1 MM	STOMACH, GL (ST) : >UNREMARKABLE
		EPIDIDYMIDES (EP) : -HYPOSPERMIA,-PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY DARK RED MATERIAL -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90926 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 432.6 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 12:59 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90927 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 762.4 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 10:33 PROSECTOR: NANCY DIEDRICH RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-THORACIC-LEFT; WEEK 95; 70 X 65MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -DEGENERATION, CYSTIC,-SLIGHT, MULTI-FOCAL -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MODERATE, MULTI-FOCAL -VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL LIVER, OIL RED O (LI1) : -POSITIVE OIL RED O STAINING,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL PANCREAS (PA) : -ATROPHY, ACINAR,-MINIMAL, FOCAL -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT
	LN, MESENTERIC (MS) : -MOTTLED; DARK RED AND TAN	LN, MESENTERIC (MS) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 762.4 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 10:33 PROSECTOR: NANCY DIEDRICH RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LUNG (LU) : -HYPERPLASIA, TYPE II PNEUMOCYTE,-SLIGHT, FOCAL -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL, FOCAL
	PITUITARY (PI) : -MASS(ES); 5 MM IN DIAMETER, RED, DARK RED, GRAY AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		SKIN (SK) : -B-LIPOMA,-NEOPLASM PRESENT
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	MAMMARY, MALE (MM) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 70 X 50 X 40 MM, TAN, SOFT AND ADIPOSE TISSUE-LIKE; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 22)	MAMMARY, MALE (MM) : -GALACTOCELE,-SLIGHT, FOCAL >NOTE:>MAMMARY MASS DESCRIBED GROSSLY WAS A SUBCUTANEOUS LIPOMA
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90927 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 762.4 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 10:33 PROSECTOR: NANCY DIEDRICH RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), ADRENAL, CORTEX (AC), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90928 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 491.8 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 13:21 PROSECTOR: MICHELE MARGGI RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-MALOCCLUSION; BILATERAL UPPER INCISORS
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

PANCREAS (PA) :
-ATROPHY, ACINAR,-MINIMAL, MULTI-FOCAL
LUNG (LU) :
-MINERALIZATION,-MINIMAL, FOCAL
THYROID (TY) :
-CYST, FOLLICULAR,-MODERATE, MULTI-FOCAL
PITUITARY (PI) :
-B-ADENOMA,-NEOPLASM PRESENT
RECTUM (RE) :
-PARASITISM,-PRESENT
PROSTATE (PR) :
-INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90928 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 491.8 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 13:21 PROSECTOR: MICHELE MARGGI RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), LIVER, OIL RED O (LI1), KIDNEY (KD), SPLEEN (SP), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90929 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 05/17/99 STUDY DAY OF DEATH: 477 STUDY WEEK OF DEATH: 69 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 05/17/99 13:18 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

TESTIS (TE) :
-SMALL; BILATERAL: EACH IS 20 X 10 X 8 MM
LUNG (LU) :
-DIFFUSELY RED; ALL LOBES: DARK RED
-MASS(ES); ALL LOBES: MULTIPLE MASSES, UP TO 25 X 20 X 15 MM, DARK RED, TAN, AND SOFT; ON SECTION EXUDED DARK RED FLUID AND DARK RED AND TAN SEMISOLID MATERIAL; COLLECTED INTACT; REGIONAL LN (SEE TRACHEOBRONCHIAL)

HISTOPATHOLOGY

KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
TESTIS (TE) :
>UNREMARKABLE
LUNG (LU) :
-HEMORRHAGE,-SEVERE, MULTI-FOCAL
-INFLAMMATION, ACUTE,-SLIGHT, FOCAL
-INFILTRATE, MACROPHAGE, PIGMENTED,-MODERATE, MULTI-FOCAL
-X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
PITUITARY (PI) :
-B-ADENOMA,-NEOPLASM PRESENT
JEJUNUM (JE) :
>AUTOLYTIC
CAUSE OF DEATH (CD) :
-MALIGNANT FIBROUS HISTIOSARCOMA,-PRESENT
HEMATO NEOPLASIA (HN) :
-M-MALIGNANT FIBROUS HISTIOCYTOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90929 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 05/17/99 STUDY DAY OF DEATH: 477 STUDY WEEK OF DEATH: 69 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 05/17/99 13:18 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	ADIPOSE TISSUE (AT) : -THICKENED; ALONG VENTRAL MID LINE: RED, TAN, AND FRIABLE (CAP 22) LN, TRACHEOBRON (TB) : -DIFFUSELY RED; DARK RED (CAP 21) GENERAL COMMENT (GC) : -DISCHARGE-NASAL; DARK RED AND MOIST -MALOCCLUSION; BILATERAL UPPER INCISORS -FLUID-THORACIC CAVITY; DARK RED SEMIFLUID	ADIPOSE TISSUE (AT) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT LN, TRACHEOBRON (TB) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90929 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 05/17/99 STUDY DAY OF DEATH: 477 STUDY WEEK OF DEATH: 69 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 05/17/99 13:18 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90930 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/11/99 STUDY DAY OF DEATH: 624 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: 587.0 GRAMS
DATE AND TIME OF NECROPSY: 10/11/99 14:32 PROSECTOR: STEVE VAN ADESTINE RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; MISSING; TEETH; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; BROWN HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -DIFFUSELY DARK; ALL LOBES: DARK BROWN	LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -HYPERPLASIA, TRANSITIONAL CELL,-MODERATE, MULTI-FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL -PYELONEPHRITIS,-SLIGHT, MULTI-FOCAL ADRENAL, CORTEX (AC) : -VACUOLATION,-MODERATE, MULTI-FOCAL THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	URINARY BLADDER (UB) : -THICKENED WALL; DIFFUSE -CALCULUS(I); WITHIN LUMEN: MULTIPLE TAN HARD CALCULI, UP TO 8 X 2 X 2 MM -DIFFUSELY RED; MUCOSA: DARK RED	URINARY BLADDER (UB) : -CALCULUS,-PRESENT -HYPERPLASIA, TRANSITIONAL CELL,-MODERATE, DIFFUSE
	PROSTATE (PR) : -LARGE; 28 X 25 X 18 MM -GELATINOUS; DIFFUSE: TAN AND CLEAR	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE, MULTI-FOCAL SEMINAL VESICLES (SV) : -EDEMA,-MINIMAL, MULTI-FOCAL

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		SEMINAL VESICLES (SV) : -FIBROSIS,-SEVERE, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL CAUSE OF DEATH (CD) : -UNDETERMINED,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL LN, LUMBAR/ILIAC (LM) : -LARGE; BILATERAL, LUMBAR: LEFT IS 10 X 7 X 4 MM, RIGHT IS 15 X 6 X 5 MM (CAP 23) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL LOWER INCISORS -STAINS - SKIN/HAIRCOAT; ENTIRE VENTRAL SURFACE: DARK YELLOW AND MOIST -TEETH MISSING/BROKEN/WORN; BILATERAL UPPER INCISORS: BROKEN AT BASE	LN, MANDIBULAR (MN) : >UNREMARKABLE LN, LUMBAR/ILIAC (LM) : -DILATATION, SINUSOIDAL,-MODERATE, MULTI-FOCAL -HYPERPLASIA, LYMPHOCYTIC,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE OF DEATH: 10/11/99 STUDY DAY OF DEATH: 624 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: 587.0 GRAMS
DATE AND TIME OF NECROPSY: 10/11/99 14:32 PROSECTOR: STEVE VAN ADESTINE RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90931 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/06/99 STUDY DAY OF DEATH: 680 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: 664.5 GRAMS
DATE AND TIME OF NECROPSY: 12/06/99 14:29 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE >APPEARANCE; LIMITED USE; PAWS-FRONT; VERIFIED AT NECROPSY: NOT APPLICABLE >APPEARANCE; LIMITED USE; LIMBS-HIND; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) : -DEGENERATION, CYSTIC,-MODERATE, MULTI-FOCAL -HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL -B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
	SPLEEN (SP) : -CYST(S); ALONG MARGIN AT CAUDAL END: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 3 MM IN DIAMETER PANCREAS (PA) : -MASS(ES); ADJACENT TO SPLEEN: SINGLE MASS, 7 X 5 X 5 MM, TAN, RED AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (SEE PANCREATIC)	SPLEEN (SP) : -CYST, SEROSAL,-PRESENT PANCREAS (PA) : -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT MUSCLE, SKELETAL (SM) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90931 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/06/99 STUDY DAY OF DEATH: 680 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: 664.5 GRAMS
DATE AND TIME OF NECROPSY: 12/06/99 14:29 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT PROSTATE (PR) : -INFLAMMATION, ACUTE,-MINIMAL, MULTI-FOCAL CAUSE OF DEATH (CD) : -HEPATOCELLULAR ADENOMA,-PRESENT
	LN, ANT MES/PANC (AP) : -DIFFUSELY RED; DARK RED (CAP 22)	LN, ANT MES/PANC (AP) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL OBESE	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 12/06/99 14:29 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90932 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 553.5 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 13:23 PROSECTOR: DONIA MEYER RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0318	.0057 %	.0140	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0352	.0064 %	.0155	WEIGHT TAKEN
BRAIN (BR)	2.2771	.4114 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	2.3637	.4270 %	1.0380	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	2.3739	.4289 %	1.0425	WEIGHT TAKEN
LIVER (LI)	23.8968	4.3174 %	10.4944	WEIGHT TAKEN
LUNG (LU)	1.8995	.3432 %	.8342	WEIGHT TAKEN
SPLEEN (SP)	.6502	.1175 %	.2855	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.9335	.3493 %	.8491	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.8941	.3422 %	.8318	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0197	.0036 %	.0087	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0205	.0037 %	.0090	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL
-VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL
ADRENAL, CORTEX (AC) :
-VACUOLATION,-MINIMAL, MULTI-FOCAL
LN, MESENTERIC (MS) :
-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL, MULTI-FOCAL
THYMUS (TH) :
>SECTION EXAMINED; TISSUE NOT PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,- MINIMAL, FOCAL PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90933 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 795.9 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 13:03 PROSECTOR: MICHELE MARGGI RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) :	LIVER (LI) :
>MASS(ES); AXILLARY REGION-LEFT; WEEK 88; 120 X 110MM; VERIFIED AT NECROPSY: OBSERVED	-LARGE; ALL LOBES; MARGINS APPEAR ROUNDED	-DEGENERATION, CYSTIC,-MINIMAL, MULTI-FOCAL
		-HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL
		-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
	LN, MESENTERIC (MS) :	LN, MESENTERIC (MS) :
	-LARGE; UP TO 12 MM IN DIAMETER	-DILATATION, SINUSOIDAL,-MODERATE, MULTI-FOCAL
		-X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
		THYROID (TY) :
		-HEMORRHAGE,-MINIMAL, FOCAL
		-B-ADENOMA, C-CELL,-NEOPLASM PRESENT
		PITUITARY (PI) :
		-B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) :
		-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
		SKIN (SK) :
		-B-LIPOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT LN, MEDIASTINAL (ML) : -DILATATION, SINUSOIDAL,-MODERATE, MULTI-FOCAL >NOTE:>MEDIASTINAL LYMPH NODE WAS PRESENT ON THYMUS SLIDE HEMATO NEOPLASIA (HN) : -M-LYMPHOMA,-NEOPLASM PRESENT
	MAMMARY, MALE (MM) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 115 X 80 X 45 MM, RED, TAN, VASCULAR AND SOFT; SAME ON CUT SURFACE; PORTION COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 22) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL UPPER INCISORS -BONE MARROW SMEAR TAKEN	MAMMARY, MALE (MM) : -PIGMENT,-MINIMAL, MULTI-FOCAL >NOTE:>MAMMARY MASS DESCRIBED GROSSLY WAS A SUBCUTANEOUS LIPOMA

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, AXILLARY (AX)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90934 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/14/00 STUDY DAY OF DEATH: 719 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 533.8 GRAMS
DATE AND TIME OF NECROPSY: 01/14/00 15:23 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>MASS(ES); VENTRAL-ABDOMINAL; WEEK 102; 25 X 40MM; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; BROWN HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE
>DISCHARGE; ORAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: NOT OBSERVED
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)
LIVER (LI) :
-LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN AREAS, UP TO 3 X 2 MM; COLLECTED ON ROUTINE SECTIONS AND CAP 22
KIDNEY (KD) :
-LARGE PELVIS(ES); BILATERAL
-ROUGH SURFACE, DIFFUSE; BILATERAL
-DIFFUSELY LIGHT; BILATERAL: TAN

HISTOPATHOLOGY

BRAIN (BR) :
>UNREMARKABLE
LIVER (LI) :
-DEGENERATION, CYSTIC,-SLIGHT, FOCAL
-VACUOLATION, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL
-X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
KIDNEY (KD) :
-DILATATION, PELVIC,-PRESENT
-X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
PANCREAS (PA) :
-X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
ADRENAL, CORTEX (AC) :
-VACUOLATION,-MODERATELY SEVERE, MULTI-FOCAL
-X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
THYMUS (TH) :
-X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
LUNG (LU) :
-HEMORRHAGE,-SLIGHT, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90934 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/14/00 STUDY DAY OF DEATH: 719 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 533.8 GRAMS
DATE AND TIME OF NECROPSY: 01/14/00 15:23 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LUNG (LU) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL -FIBROSIS,-MINIMAL, MULTI-FOCAL MUSCLE, SKELETAL (SM) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT THYROID (TY) : -CYST, FOLLICULAR,-MODERATELY SEVERE, FOCAL
	PITUITARY (PI) : -MASS(ES); 7 X 5 X 4 MM, DARK RED, TAN, AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT RECTUM (RE) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT SKIN (SK) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT URINARY BLADDER (UB) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT PROSTATE (PR) : -NECROSIS,-SLIGHT, MULTI-FOCAL -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PROSTATE (PR) : -MASS(ES); INVOLVING ENTIRE GLAND AND ADHERED TO SEMINAL VESICLES, URINARY BLADDER, AND DORSAL WALL OF ABDOMINAL CAVITY: SINGLE MASS, 55 X 40 X 40 MM, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (LUMBAR) NOT IDENTIFIED	
		SEMINAL VESICLES (SV) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -HISTIOCYTIC SARCOMA,-PRESENT
		HEMATO NEOPLASIA (HN) : -M-SARCOMA, HISTIOCYTIC,-NEOPLASM PRESENT
	MAMMARY, MALE (MM) : -MASS(ES); VENTRAL ABDOMINAL REGION: SINGLE MASS, 70 X 40 X 30 MM, DARK RED, TAN, AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, MALE (MM) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
	GENERAL COMMENT (GC) : -DISCHARGE-ORAL; DARK RED AND MOIST -BLOOD FILM TAKEN -STAINS - SKIN/HAIRCOAT; VENTRAL ABDOMINAL REGION: BROWN AND MOIST -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), EPIDIDYMIDES (EP)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90935 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 369.9 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 8:30 PROSECTOR: TODD ACKER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	12.8689	3.4790 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RIGHT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LEFT THYROID/PAR (TT0)	--------	--------	--------	NOT TAKEN
RIGHT THYROID/PR (TT1)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90935 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 369.9 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 8:30 PROSECTOR: TODD ACKER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90936 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/31/99 STUDY DAY OF DEATH: 705 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: 594.5 GRAMS
DATE AND TIME OF NECROPSY: 12/31/99 13:44 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; SORE/SCAB; PAWS-HIND; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE
>EXCRETION; DISCOLORED URINE; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED
>SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

LIVER (LI) :
-LIGHT FOCUS(I)/AREA(S); DIAPHRAGMATIC SURFACE OF LEFT LATERAL LOBE: MULTIPLE TAN AREAS, UP TO 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION
-CYST(S); ALONG MARGIN OF RIGHT MEDIAN LOBE: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 8 X 6 X 5 MM; COLLECTED ON ROUTINE SECTION

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
-DILATATION, VENTRICULAR,-PRESENT
LIVER (LI) :
-HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL, MULTI-FOCAL
-B-CHOLANGIOMA,-NEOPLASM PRESENT

KIDNEY (KD) :
-CAST, PROTEINACEOUS,-SLIGHT, MULTI-FOCAL
-HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT, MULTI-FOCAL
SPLEEN (SP) :
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MINIMAL, MULTI-FOCAL
PANCREAS (PA) :
-B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90936 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/31/99 STUDY DAY OF DEATH: 705 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: 594.5 GRAMS
DATE AND TIME OF NECROPSY: 12/31/99 13:44 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		TESTIS (TE) : -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL LUNG (LU) : -MINERALIZATION, VASCULAR,-SLIGHT, FOCAL HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 10 X 7 X 6 MM, RED, DARK RED AND SOFT URINARY BLADDER (UB) : -THICKENED WALL; DIFFUSE -CALCULUS(I); WITHIN LUMEN: MULTIPLE TAN AND HARD CALCULI, UP TO 14 MM IN DIAMETER	PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT URINARY BLADDER (UB) : -HYPERPLASIA, TRANSITIONAL CELL,-MODERATELY SEVERE, DIFFUSE -INFLAMMATION, CHRONIC,-SLIGHT, MULTI-FOCAL PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL, MULTI-FOCAL CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	LN, LUMBAR/ILIAC (LM) : -LARGE; BILATERAL: EACH IS UP TO 9 X 7 X 5 MM (CAP 22)	LN, LUMBAR/ILIAC (LM) : -DILATATION, SINUSOIDAL,-MODERATE, MULTI-FOCAL LN, RENAL (RL) : -DILATATION, SINUSOIDAL,-SEVERE, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90936 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/31/99 STUDY DAY OF DEATH: 705 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: 594.5 GRAMS
DATE AND TIME OF NECROPSY: 12/31/99 13:44 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LN, RENAL (RL) : -CYST(S); INVOLVING ENTIRE RIGHT: SINGLE CLEAR FLUID FILLED CYST, 22 MM IN DIAMETER (LEFT NOT IDENTIFIED) (CAP 23)	LN, RENAL (RL) : -FIBROSIS,-MODERATE, FOCAL
	FOOT/FOOTPAD(S) (FP) : -ABRASION(S)/ULCERATION(S); BILATERAL HINDFEET: SINGLE DARK RED, TAN AND MOIST ABRADED AREA ON EACH, EACH IS 7 MM IN DIAMETER; BOTH COLLECTED	FOOT/FOOTPAD(S) (FP) : -EROSION,-MODERATE, MULTI-FOCAL -FIBROSIS,-MODERATE, MULTI-FOCAL -INFLAMMATION, ACUTE,-MODERATE, MULTI-FOCAL
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; RED AND MOIST -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL, UPPER INCISORS -TEETH MISSING/BROKEN/WORN; LEFT UPPER INCISOR: BROKEN OFF AT BASE -URINARY BLADDER-LARGE LUMEN; 32 X 20 X 20 MM	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90936 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/31/99 STUDY DAY OF DEATH: 705 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: 594.5 GRAMS
DATE AND TIME OF NECROPSY: 12/31/99 13:44 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90937 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/10/00 STUDY DAY OF DEATH: 715 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 398.5 GRAMS
DATE AND TIME OF NECROPSY: 01/10/00 13:43 PROSECTOR: WENDY CHERRY RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE		-DILATATION, VENTRICULAR,-PRESENT
		LIVER (LI) :
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		-DEGENERATION, CYSTIC,-MODERATELY SEVERE, FOCAL
>SKIN & PELAGE; BROWN HAIR COAT; PERINEAL AREA; VERIFIED AT NECROPSY: OBSERVED	KIDNEY (KD) :	KIDNEY (KD) :
	-LARGE PELVIS(ES); BILATERAL	-NEPHROPATHY, CHRONIC PROGRESSIVE,-
	-ROUGH SURFACE, DIFFUSE; BILATERAL	SEVERE, DIFFUSE
		ADRENAL, CORTEX (AC) :
		-DEGENERATION, CYSTIC, CORTICAL,- MODERATE, FOCAL
		-HEMORRHAGE,-MODERATE, MULTI-FOCAL
		-VACUOLATION,-SLIGHT, MULTI-FOCAL
		ADRENAL, MEDULLA (MA) :
		-B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT
		LN, MESENTERIC (MS) :
		-HYPERPLASIA, LYMPHOCYTIC,-MODERATE, FOCAL
	TESTIS (TE) :	TESTIS (TE) :
	-SMALL; BILATERAL: EACH IS 15 X 10 X 6 MM; BOTH ARE SOFT	-ATROPHY/DEGENERATION,-SEVERE, DIFFUSE
		-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
		THYMUS (TH) :
		-CYST,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90937 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/10/00 STUDY DAY OF DEATH: 715 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 398.5 GRAMS
DATE AND TIME OF NECROPSY: 01/10/00 13:43 PROSECTOR: WENDY CHERRY RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		HEART (HT) : -DEGENERATION/NECROSIS,-SLIGHT, MULTI-FOCAL -FIBROSIS,-MINIMAL, MULTI-FOCAL PARATHYROID (PT) : -HYPERPLASIA,-MODERATE, DIFFUSE
	PITUITARY (PI) : -MASS(ES); 12 X 10 X 10 MM, DARK RED, TAN AND SOFT SEMINAL VESICLES (SV) : -SMALL; RIGHT: 15 X 9 X 3 MM (LEFT IS 21 X 15 X 5 MM)	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT SEMINAL VESICLES (SV) : >UNREMARKABLE CAUSE OF DEATH (CD) : -CHRONIC PROGRESSIVE NEPHROPATHY,-PRESENT
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; BROWN AND MOIST -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY -MALOCCLUSION; BILATERAL: UPPER INCISORS	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90937 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/10/00 STUDY DAY OF DEATH: 715 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 398.5 GRAMS
DATE AND TIME OF NECROPSY: 01/10/00 13:43 PROSECTOR: WENDY CHERRY RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90938 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/21/99 STUDY DAY OF DEATH: 481 STUDY WEEK OF DEATH: 69 TERMINAL BODY WEIGHT: 488.7 GRAMS
DATE AND TIME OF NECROPSY: 05/21/99 14:48 PROSECTOR: NANCY DIEDRICH RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) :	BRAIN (BR) :
>BEHAVIOR; RECUMBENT; LATERAL; VERIFIED AT NECROPSY: NOT APPLICABLE	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>SKIN & PELAGE; BROWN SKIN; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) :	-DILATATION, VENTRICULAR,-PRESENT
>SKIN & PELAGE; BROWN HAIR COAT; HEAD-MAXILLARY-LEFT; VERIFIED AT NECROPSY: OBSERVED	-LARGE; ALL LOBES: THICKENED	LIVER (LI) :
>SKIN & PELAGE; BROWN HAIR COAT; HEAD-MAXILLARY-RIGHT; VERIFIED AT NECROPSY: OBSERVED	-DIFFUSELY DARK; ALL LOBES: DARK BROWN	-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	KIDNEY (KD) :	-VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL
	-LARGE PELVIS(ES); RIGHT	KIDNEY (KD) :
	-SEMIFLUID MATERIAL-PELVIS; RIGHT: GREENISH BROWN SEMIFLUID	-DILATATION, PELVIC,-PRESENT
		-MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL
		-MINERALIZATION, TUBULAR,-MINIMAL, MULTI-FOCAL
		HEART (HT) :
		-DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 10 X 8 X 8 MM, DARK RED, BROWN AND SOFT	-HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
		STOMACH, GL (ST) :
		-EDEMA,-MODERATE, MULTI-FOCAL
		-HEMORRHAGE,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90938 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/21/99 STUDY DAY OF DEATH: 481 STUDY WEEK OF DEATH: 69 TERMINAL BODY WEIGHT: 488.7 GRAMS
DATE AND TIME OF NECROPSY: 05/21/99 14:48 PROSECTOR: NANCY DIEDRICH RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		STOMACH, GL (ST) : -INFLAMMATION, ACUTE,-MODERATE, MULTI-FOCAL -ULCERATION,-MODERATE, FOCAL
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: MULTIPLE RED AND TAN ERODED AREAS, UP TO 4 X 2 MM -THICKENED WALL; MUCOSA: DIFFUSE	STOMACH, NONGL (SU) : -EDEMA,-MODERATE, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -INFLAMMATION, ACUTE,-MINIMAL, MULTI-FOCAL -ULCERATION,-MODERATE, FOCAL
	PROSTATE (PR) : -LARGE; 25 X 18 X 8 MM -NODULAR; PROXIMAL, SURROUNDING URETHRA: DARK GREEN AND FIRM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE, MULTI-FOCAL
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -DISCHARGE-ORAL; DARK BROWN AND DRY -STAINS-PERINEUM/PERIANAL; DARK BROWN AND MOIST -BLOOD FILM TAKEN -DISCHARGE-NASAL; DARK BROWN AND DRY	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90938 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/21/99 STUDY DAY OF DEATH: 481 STUDY WEEK OF DEATH: 69 TERMINAL BODY WEIGHT: 488.7 GRAMS
DATE AND TIME OF NECROPSY: 05/21/99 14:48 PROSECTOR: NANCY DIEDRICH RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90939 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 316.3 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 10:22 PROSECTOR: DONIA MEYER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	12.4132	3.9245 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RIGHT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LEFT THYROID/PAR (TT0)	--------	--------	--------	NOT TAKEN
RIGHT THYROID/PR (TT1)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90939 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 316.3 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 10:22 PROSECTOR: DONIA MEYER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90940 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/12/99 STUDY DAY OF DEATH: 442 STUDY WEEK OF DEATH: 64 TERMINAL BODY WEIGHT: 486.3 GRAMS
DATE AND TIME OF NECROPSY: 04/12/99 15:47 PROSECTOR: NANCY DIEDRICH RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; RED HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>SKIN & PELAGE; BROWN HAIR COAT; PERINEAL AREA; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -DIFFUSELY LIGHT; ALL LOBES: TAN	LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-MODERATELY SEVERE, MULTI-FOCAL
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED	KIDNEY (KD) : -ROUGH SURFACE, DIFFUSE; BILATERAL	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: OBSERVED		PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-MINIMAL, MULTI-FOCAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		-PIGMENT,-MINIMAL, MULTI-FOCAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	PITUITARY (PI) : -MASS(ES); 10 MM IN DIAMETER, RED, DARK RED, GRAY, TAN AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN PINPOINT FOCI	STOMACH, GL (ST) : -INFLAMMATION, ACUTE,-MINIMAL, FOCAL
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	STOMACH, NONGL (SU) : -THICKENED WALL; MUCOSA, DIFFUSE	STOMACH, NONGL (SU) : >UNREMARKABLE
>APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE, MULTI-FOCAL
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE		

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90940 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/12/99 STUDY DAY OF DEATH: 442 STUDY WEEK OF DEATH: 64 TERMINAL BODY WEIGHT: 486.3 GRAMS
DATE AND TIME OF NECROPSY: 04/12/99 15:47 PROSECTOR: NANCY DIEDRICH RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT MAMMARY, MALE (MM) : -GALACTOCELE,-MINIMAL, MULTI-FOCAL
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; BROWN AND DRY MATERIAL -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY -DISCHARGE-NASAL; DARK RED AND DRY -STAINS - SKIN/HAIRCOAT; ENTIRE VENTRAL SURFACE AND HEAD: DARK RED AND DRY MATERIAL -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90940 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/12/99 STUDY DAY OF DEATH: 442 STUDY WEEK OF DEATH: 64 TERMINAL BODY WEIGHT: 486.3 GRAMS
DATE AND TIME OF NECROPSY: 04/12/99 15:47 PROSECTOR: NANCY DIEDRICH RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90941 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/27/99 STUDY DAY OF DEATH: 610 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: 449.0 GRAMS
DATE AND TIME OF NECROPSY: 09/27/99 9:56 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE >APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED >EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE >BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE >EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE >SKIN & PELAGE; COLD TO TOUCH; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) PITUITARY (PI) : -MASS(ES); SINGLE MASS, 11 X 10 X 10 MM, RED, DARK RED, TAN, GRAY, AND SOFT	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT LIVER (LI) : -DEGENERATION, CYSTIC,-SLIGHT, MULTI-FOCAL -VACUOLATION, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT, MULTI-FOCAL -PYELONEPHRITIS,-MODERATE, MULTI-FOCAL ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT, FOCAL -HEMORRHAGE,-SLIGHT, FOCAL THYROID (TY) : -B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT PITUITARY (PI) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-SLIGHT, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90941 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/27/99 STUDY DAY OF DEATH: 610 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: 449.0 GRAMS
DATE AND TIME OF NECROPSY: 09/27/99 9:56 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		STOMACH, GL (ST) : -EDEMA,-SLIGHT, FOCAL -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL, MULTI-FOCAL
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: SINGLE BROWN ULCERATED AREA, 10 X 5 MM	STOMACH, NONGL (SU) : -EDEMA,-MODERATELY SEVERE, MULTI-FOCAL -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL -ULCERATION,-SEVERE, FOCAL
	SEMINAL VESICLES (SV) : -LARGE; RIGHT: 35 X 20 X 7 MM (LEFT IS 25 X 14 X 5 MM)	SEMINAL VESICLES (SV) : >UNREMARKABLE
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
		MAMMARY, MALE (MM) : -GALACTOCELE,-MINIMAL, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED, DRY, CRUSTED MATERIAL -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90941 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/27/99 STUDY DAY OF DEATH: 610 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: 449.0 GRAMS
DATE AND TIME OF NECROPSY: 09/27/99 9:56 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90942 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 329.3 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 10:22 PROSECTOR: TODD ACKER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	11.6629	3.5417 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RIGHT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LEFT THYROID/PAR (TT0)	--------	--------	--------	NOT TAKEN
RIGHT THYROID/PR (TT1)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90942 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 329.3 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 10:22 PROSECTOR: TODD ACKER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90943 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/26/99 STUDY DAY OF DEATH: 639 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/26/99 13:20 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED		EYE (EY) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : >UNREMARKABLE
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 4 X 3 MM; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED	KIDNEY (KD) : -LARGE PELVIS(ES); RIGHT -MASS(ES); ATTACHED TO RIGHT: SINGLE MASS, 35 X 29 X 16 MM, RED, GRAY, TAN, LOBULATED AND SOFT; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (RENAL) NORMAL (CAP 24)	KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -DILATATION, PELVIC,-PRESENT -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	PANCREAS (PA) : -MASS(ES); ATTACHED TO DUODENUM: SINGLE MASS, 20 X 18 X 6 MM, RED, GRAY, TAN, LOBULATED AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (PANCREATIC) NOT IDENTIFIED	PANCREAS (PA) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
		ADRENAL, CORTEX (AC) : -ONE EXAMINED,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90943 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/26/99 STUDY DAY OF DEATH: 639 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/26/99 13:20 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	ADRENAL, CORTEX (AC) : -MISSING/NOT IDENTIFIED; RIGHT: DUE TO MASS, ATTACHED TO RIGHT KIDNEY; ADRENAL NOT IDENTIFIED	ADRENAL, CORTEX (AC) : -VACUOLATION,-MINIMAL, MULTI-FOCAL
		ADRENAL, MEDULLA (MA) : -ONE EXAMINED,-PRESENT
	LN, MESENTERIC (MS) : -DIFFUSELY RED; DARK RED	LN, MESENTERIC (MS) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL
	TESTIS (TE) : -DIFFUSELY RED; RIGHT	TESTIS (TE) : -INFLAMMATION, CHRONIC,-SLIGHT, MULTI-FOCAL -NECROSIS,-SEVERE, DIFFUSE
	THYMUS (TH) : -MASS(ES); INVOLVING ENTIRE ORGAN: SINGLE MASS, 16 X 13 X 11 MM, RED, DARK RED, GRAY, LOBULATED AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (SEE MEDIASTINAL)	THYMUS (TH) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
	LUNG (LU) : -LIGHT FOCUS(I)/AREA(S); LEFT LOBE: MULTIPLE TAN FOCI, UP TO 1 MM IN DIAMETER -ADHESION(S); ALL LOBES TO PLEURA AND DIAPHRAGM: MULTIPLE GRAY, TAN, AND FIBROUS ADHESIONS; COLLECTED INTACT	LUNG (LU) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90943 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/26/99 STUDY DAY OF DEATH: 639 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/26/99 13:20 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LUNG (LU) : -MASS(ES); INVOLVING ALL RIGHT LOBES: SINGLE MASS, 41 X 23 X 18 MM, RED, DARK RED, GRAY, TAN, VASCULAR, LOBULATED AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (SEE TRACHEOBRONCHIAL)	
	HEART (HT) : -LARGE; RIGHT ATRIUM: 15 X 9 X 6 MM (LEFT IS 5 X 4 X 3 MM) -MOTTLED; EPICARDIUM, DIFFUSE: DARK RED AND GRAY	HEART (HT) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 6 X 6 X 4 MM, TAN AND SOFT	PITUITARY (PI) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
	STOMACH, GL (ST) : -RED FOCUS(I)/AREA(S); MUCOSA, TISSUE SURROUNDING PYLORIC VALVE: MULTIPLE RED AREAS, UP TO 2 X 1 MM -THICKENED WALL; MUCOSA	STOMACH, GL (ST) : -EROSION,-MODERATE, FOCAL -HEMORRHAGE,-MINIMAL, FOCAL -INFLAMMATION, ACUTE,-MINIMAL, FOCAL
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: MULTIPLE TAN AND RED ERODED AREAS, UP TO 3 X 2 MM	STOMACH, NONGL (SU) : >UNREMARKABLE
		SKIN (SK) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
	PROSTATE (PR) : -SMALL; 9 X 6 X 3 MM	PROSTATE (PR) : >UNREMARKABLE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90943 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/26/99 STUDY DAY OF DEATH: 639 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/26/99 13:20 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	SEMINAL VESICLES (SV) : -SMALL; BILATERAL: EACH IS 13 X 8 X 3 MM	SEMINAL VESICLES (SV) : >UNREMARKABLE
		CAUSE OF DEATH (CD) : -MALIGNANT LYMPHOMA,-PRESENT
	LN, MEDIASTINAL (ML) : -LARGE; UP TO 8 X 5 X 4 MM (CAP 23) -DIFFUSELY RED; DARK RED	LN, MEDIASTINAL (ML) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT HEMATO NEOPLASIA (HN) : -M-LYMPHOMA,-NEOPLASM PRESENT
		LN, RENAL (RL) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
	LN, TRACHEOBRON (TB) : -DIFFUSELY RED; DARK RED -LARGE; UP TO 12 X 8 X 5 MM (CAP 22)	LN, TRACHEOBRON (TB) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
	GENERAL COMMENT (GC) : -DISCHARGE-OCULAR; BILATERAL: DRY RED MATERIAL -MALOCCLUSION; BILATERAL: UPPER INCISORS -STAINS - SKIN/HAIRCOAT; ENTIRE VENTRAL SURFACE: DRY, RED, DARK RED AND YELLOW MATERIAL -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90943 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/26/99 STUDY DAY OF DEATH: 639 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/26/99 13:20 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), SPLEEN (SP), ADRENAL, MEDULLA (MA), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
SPLEEN (SP), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), EPIDIDYMIDES (EP)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90944 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 626.6 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 10:06 PROSECTOR: GREGORY CODDINGTON RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -LIGHT FOCUS(I)/AREA(S); BOTH MEDIAN LOBES: MULTIPLE TAN AREAS, UP TO 2 X 1 MM; COLLECTED ON ROUTINE SECTION -DARK FOCUS(I)/AREA(S); VISCERAL SURFACE OF LEFT LATERAL LOBE: SINGLE DARK BROWN AREA, 5 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION STOMACH, GL (ST) : -RED FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK RED PINPOINT FOCI	LIVER (LI) : -DEGENERATION, CYSTIC,-SLIGHT, MULTI-FOCAL -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MODERATELY SEVERE, FOCAL -HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR,-MODERATE, DIFFUSE -VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL KIDNEY (KD) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL ADRENAL, CORTEX (AC) : -ADRENAL TISSUE, ECTOPIC,-SLIGHT, FOCAL LUNG (LU) : -MINERALIZATION, VASCULAR,-SLIGHT, FOCAL PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT STOMACH, GL (ST) : >UNREMARKABLE CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90944 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 626.6 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 10:06 PROSECTOR: GREGORY CODDINGTON RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS | NECROPSY | HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90945 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/30/98 STUDY DAY OF DEATH: 309 STUDY WEEK OF DEATH: 45 TERMINAL BODY WEIGHT: 549.0 GRAMS
DATE AND TIME OF NECROPSY: 11/30/98 10:14 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>DISCHARGE; NASAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED	THYMUS (TH) : -DIFFUSELY RED; DARK RED	THYMUS (TH) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL
>SKIN & PELAGE; BROWN HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: NOT OBSERVED		LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT, MULTI-FOCAL
>RESPIRATION; AUDIBLE; VERIFIED AT NECROPSY: NOT APPLICABLE	STOMACH, GL (ST) : -THICKENED WALL; DIFFUSE	STOMACH, GL (ST) : >UNREMARKABLE
	GENERAL COMMENT (GC) : -DISCHARGE-ORAL; DRY DARK RED MATERIAL -BLOOD FILM TAKEN -DISCHARGE-NASAL; DRY DARK RED MATERIAL	CAUSE OF DEATH (CD) : -UNDETERMINED,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90945 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/30/98 STUDY DAY OF DEATH: 309 STUDY WEEK OF DEATH: 45 TERMINAL BODY WEIGHT: 549.0 GRAMS
DATE AND TIME OF NECROPSY: 11/30/98 10:14 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90946 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/19/99 STUDY DAY OF DEATH: 540 STUDY WEEK OF DEATH: 78 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 07/19/99 11:48 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>HOUSING,FOOD,WATER & MAINT.; TEETH CUT; VERIFIED AT NECROPSY: NOT APPLICABLE		-DILATATION, VENTRICULAR,-PRESENT
>EYES; RED DISCHARGE; EYE-LEFT; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) :
		-CYST,-SLIGHT, MULTI-FOCAL
		KIDNEY (KD) :
		-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
		SPLEEN (SP) :
		-PIGMENT, INCREASED,-MINIMAL, MULTI-FOCAL
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 10 X 8 X 7 MM, RED, DARK RED, TAN AND SOFT	-HEMORRHAGE,-MODERATE, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
		PROSTATE (PR) :
		-INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL
		CAUSE OF DEATH (CD) :
		-PITUITARY ADENOMA,-PRESENT
		MAMMARY, MALE (MM) :
		-GALACTOCELE,-MINIMAL, FOCAL
	GENERAL COMMENT (GC) :	
	-BLOOD FILM TAKEN	
	-DISCHARGE-OCULAR; LEFT: RED, DRY MATERIAL	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90946 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/19/99 STUDY DAY OF DEATH: 540 STUDY WEEK OF DEATH: 78 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 07/19/99 11:48 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -MALOCCLUSION; BILATERAL UPPER AND LOWER INCISORS -GI TRACT-LARGE LUMEN; ENTIRE GI TRACT: DISTENDED WITH GAS	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90946 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/19/99 STUDY DAY OF DEATH: 540 STUDY WEEK OF DEATH: 78 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 07/19/99 11:48 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90947 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 501.2 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 13:30 PROSECTOR: JARED FISHEL RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; DORSAL-THORACIC-RIGHT; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -MASS(ES); RIGHT MEDIAN LOBE: SINGLE MASS, 20 X 15 X 10 MM, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED ON ROUTINE SECTION; REGIONAL LN (HEPATIC) NORMAL (CAP 22)	LIVER (LI) : -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL -VACUOLATION, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL -B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT PANCREAS (PA) : -PIGMENT,-MINIMAL, MULTI-FOCAL -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT ADRENAL, CORTEX (AC) : -VACUOLATION,-MINIMAL, MULTI-FOCAL TESTIS (TE) : -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL
	THYROID (TY) : -LARGE; BILATERAL: EACH IS 8 X 6 X 4 MM	THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT -B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90947 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 501.2 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 13:30 PROSECTOR: JARED FISHEL RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PARATHYROID (PT) : >SECTION EXAMINED; TISSUE NOT PRESENT
	PITUITARY (PI) : -LARGE; 6 X 4 X 4 MM; APPEARS SWOLLEN	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -THICKENED WALL; DIFFUSE -EROSION/ULCERATION; MUCOSA: MULTIPLE TAN ERODED AREAS, UP TO 2 MM IN DIAMETER	STOMACH, GL (ST) : >UNREMARKABLE
	SKIN (SK) : -MASS(ES); RIGHT DORSAL THORACIC REGION: SINGLE MASS, 8 MM IN DIAMETER, TAN, FIRM AND FRIABLE; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 23)	SKIN (SK) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-KERATOACANTHOMA,-NEOPLASM PRESENT
		URINARY BLADDER (UB) : -INFLAMMATION, CHRONIC,-MINIMAL, FOCAL
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE, MULTI-FOCAL -MINERALIZATION, LUMINAL,-MODERATE, FOCAL
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
		LN, AXILLARY (AX) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL
		LN, OTHER (LN) : -DILATATION, SINUSOIDAL,-MODERATE, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90947 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 501.2 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 13:30 PROSECTOR: JARED FISHEL RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LN, OTHER (LN) : -INFILTRATE, MACROPHAGE, PIGMENTED,- MINIMAL, MULTI-FOCAL >NOTE:>HEPATIC LYMPH NODE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90947 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 501.2 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 13:30 PROSECTOR: JARED FISHEL RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90948 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 606.2 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 9:48 PROSECTOR: TERRI L. WILLIAMS RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) :	LIVER (LI) :
	-MOTTLED; ALL LOBES: RED, TAN, AND BROWN	-VACUOLATION, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL
>SKIN & PELAGE; SORE/SCAB; PAWS-HIND; VERIFIED AT NECROPSY: OBSERVED	-MASS(ES); RIGHT LATERAL LOBE: SINGLE MASS, 27 X 18 X 13 MM, RED, DARK RED, TAN, AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (HEPATIC) NOT IDENTIFIED	-B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT
	-RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE RED AREAS, UP TO 4 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	
	PITUITARY (PI) :	PITUITARY (PI) :
	-RAISED AREA(S); LEFT POSTERIOR ASPECT: SINGLE TAN AREA, 1 MM IN DIAMETER	-CYST,-PRESENT
		-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) :
		-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
	STOMACH, GL (ST) :	STOMACH, GL (ST) :
	-EROSION/ULCERATION; MUCOSA: MULTIPLE TAN ERODED AREAS, UP TO 2 X 2 MM	>UNREMARKABLE
	RECTUM (RE) :	RECTUM (RE) :
	>NOTE:>TRIMMING COMMENT: RECTUM NOT FOUND AT TRIMMING	>TISSUE MISSING

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90948 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 606.2 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 9:48 PROSECTOR: TERRI L. WILLIAMS RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PROSTATE (PR) : -INFLAMMATION, ACUTE,-MINIMAL, MULTI-FOCAL -MINERALIZATION, LUMINAL,-MINIMAL, MULTI-FOCAL
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	FOOT/FOOTPAD(S) (FP) : -CRUSTED AREA(S); BILATERAL HINDFEET: SINGLE DARK RED AND TAN AREA ON EACH, BOTH ARE 10 MM IN DIAMETER; BOTH COLLECTED	FOOT/FOOTPAD(S) (FP) : -EROSION,-MODERATELY SEVERE, MULTI-FOCAL -EXOSTOSES,-MODERATELY SEVERE, MULTI-FOCAL -INFLAMMATION, CHRONIC ACTIVE,-MODERATE, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; LEFT: RED -MALOCCLUSION; BILATERAL: UPPER INCISORS -BONE MARROW SMEAR TAKEN -TEETH MISSING/BROKEN/WORN; BILATERAL, UPPER INCISORS: BROKEN OFF AT BASE	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90948 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 606.2 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 9:48 PROSECTOR: TERRI L. WILLIAMS RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90949 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/21/98 STUDY DAY OF DEATH: 86 STUDY WEEK OF DEATH: 13 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/21/98 14:57 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: NOT OBSERVED
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; BROWN HAIR COAT; SCROTUM; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; NONFORMED FECES; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

SPLEEN (SP) :
-SMALL; 28 X 7 X 3 MM

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-STAINS - SKIN/HAIRCOAT; PERIANAL REGION: DRY BROWN STAINS
-ANIMAL THIN

HISTOPATHOLOGY

LIVER (LI) :
-HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR,-MODERATE, DIFFUSE
KIDNEY (KD) :
-CAST, PROTEINACEOUS,-MINIMAL, FOCAL
SPLEEN (SP) :
>UNREMARKABLE
THYMUS (TH) :
-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
CAUSE OF DEATH (CD) :
-UNDETERMINED,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90949 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/21/98 STUDY DAY OF DEATH: 86 STUDY WEEK OF DEATH: 13 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/21/98 14:57 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90950 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 700.6 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 11:16 PROSECTOR: TONY HANFELD RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0261	.0037 %	.0104	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0247	.0035 %	.0099	WEIGHT TAKEN
BRAIN (BR)	2.5063	.3577 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	2.6943	.3846 %	1.0750	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	2.7028	.3858 %	1.0784	WEIGHT TAKEN
LIVER (LI)	37.5350	5.3576 %	14.9763	WEIGHT TAKEN
LUNG (LU)	2.7288	.3895 %	1.0888	WEIGHT TAKEN
SPLEEN (SP)	1.6852	.2405 %	.6724	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.4975	.2137 %	.5975	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.4889	.2125 %	.5941	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0262	.0037 %	.0105	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0272	.0039 %	.0109	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR,-MODERATELY SEVERE, MULTI-FOCAL -NECROSIS, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL -STASIS, BILE,-MINIMAL, MULTI-FOCAL PITUITARY (PI) : -HYPERPLASIA,-MODERATE, FOCAL
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: TWO BROWN AREAS, EACH IS 2 X 1 MM	STOMACH, GL (ST) : -EROSION,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90950 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
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DATE AND TIME OF NECROPSY: 01/27/99 11:16 PROSECTOR: TONY HANFELD RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		COLON (CO) : -PARASITISM,-PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90950 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 700.6 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 11:16 PROSECTOR: TONY HANFELD RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90951 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 613.7 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 10:34 PROSECTOR: TONY HANFELD RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0277	.0045 %	.0118	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0538	.0088 %	.0228	WEIGHT TAKEN
BRAIN (BR)	2.3563	.3839 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	2.3550	.3837 %	.9994	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	2.4057	.3920 %	1.0210	WEIGHT TAKEN
LIVER (LI)	36.9152	6.0152 %	15.6666	WEIGHT TAKEN
LUNG (LU)	2.0966	.3416 %	.8898	WEIGHT TAKEN
SPLEEN (SP)	.9610	.1566 %	.4078	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.9872	.3238 %	.8434	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.9500	.3177 %	.8276	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0254	.0041 %	.0108	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0242	.0039 %	.0103	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; MISSING; TEETH; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR,-MODERATELY SEVERE, MULTI-FOCAL
-VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL
KIDNEY (KD) :
-MINERALIZATION, PELVIC,-MINIMAL, FOCAL
ADRENAL, MEDULLA (MA) :
-HEMORRHAGE,-MODERATE, MULTI-FOCAL
-B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT
RECTUM (RE) :
-PARASITISM,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90951 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 613.7 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 10:34 PROSECTOR: TONY HANFELD RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-MALOCCLUSION; BILATERAL, UPPER INCISORS
-BONE MARROW SMEAR TAKEN
-TEETH MISSING/BROKEN/WORN; LEFT UPPER INCISOR, MISSING; RIGHT UPPER INCISOR, BROKEN AT BASE

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90951 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90952 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/12/99 STUDY DAY OF DEATH: 411 STUDY WEEK OF DEATH: 59 TERMINAL BODY WEIGHT: 581.8 GRAMS
DATE AND TIME OF NECROPSY: 03/12/99 7:41 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) :	BRAIN (BR) :
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>RESPIRATION; AUDIBLE; VERIFIED AT NECROPSY: NOT APPLICABLE		-DILATATION, VENTRICULAR,-PRESENT
>BEHAVIOR; RECUMBENT; LATERAL; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) :
		-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
		-VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL
		KIDNEY (KD) :
		-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
		PANCREAS (PA) :
		-PIGMENT,-MINIMAL, MULTI-FOCAL
		LUNG (LU) :
		-MINERALIZATION, VASCULAR,-MINIMAL, FOCAL
		THYROID (TY) :
		-CYST, ULTIMOBRANCHIAL,-PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 8 MM IN DIAMETER, RED, DARK RED, TAN AND SOFT	-HEMORRHAGE,-MODERATE, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
		PROSTATE (PR) :
		-INFLAMMATION, CHRONIC-ACTIVE,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL OBESE	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90952 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/12/99 STUDY DAY OF DEATH: 411 STUDY WEEK OF DEATH: 59 TERMINAL BODY WEIGHT: 581.8 GRAMS
DATE AND TIME OF NECROPSY: 03/12/99 7:41 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90953 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 727.7 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 10:52 PROSECTOR: MICHELE MARGGI RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -MOTTLED; ALL LOBES: DARK RED AND TAN	LIVER (LI) : -DEGENERATION, CYSTIC,-MINIMAL, MULTI-FOCAL -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL -VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL
	TESTIS (TE) : -SMALL; BILATERAL: EACH IS 16 X 14 X 4 MM; BOTH ARE SOFT	TESTIS (TE) : -ATROPHY/DEGENERATION,-SEVERE, DIFFUSE
	THYROID (TY) : -LARGE; BILATERAL: LEFT IS 7 X 5 X 5 MM, RIGHT IS 7 X 3 X 3 MM	THYROID (TY) : -MINERALIZATION,-MINIMAL, MULTI-FOCAL -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PARATHYROID (PT) : -LARGE; LEFT: 2 MM IN DIAMETER (RIGHT IS LESS THAN 1 MM IN DIAMETER)	PARATHYROID (PT) : >SECTION EXAMINED; TISSUE NOT PRESENT
	PITUITARY (PI) : -DARK FOCUS(I)/AREA(S); DIFFUSE: MULTIPLE DARK BROWN PINPOINT FOCI	PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90953 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 727.7 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 10:52 PROSECTOR: MICHELE MARGGI RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		STOMACH, GL (ST) : -EDEMA,-MINIMAL, FOCAL -EROSION,-MINIMAL, FOCAL EPIDIDYMIDES (EP) : -HYPOSPERMIA,-PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT LN, MANDIBULAR (MN) : -DILATATION, SINUSOIDAL,-MODERATE, FOCAL -HYPERPLASIA, LYMPHOCYTIC,-SLIGHT, DIFFUSE
	MAMMARY, MALE (MM) : -MASS(ES); RIGHT CERVICAL REGION: SINGLE MASS, 20 MM IN DIAMETER, RED, DARK RED, TAN, VASCULAR AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (MANDIBULAR) NORMAL (CAP 22) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	MAMMARY, MALE (MM) : -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90953 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 727.7 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 10:52 PROSECTOR: MICHELE MARGGI RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90954 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/19/99 STUDY DAY OF DEATH: 479 STUDY WEEK OF DEATH: 69 TERMINAL BODY WEIGHT: 430.4 GRAMS
DATE AND TIME OF NECROPSY: 05/19/99 10:26 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: NOT OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) :	-DILATATION, VENTRICULAR,-PRESENT
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	-LIGHT FOCUS(I)/AREA(S); JUNCTION OF MEDIAN LOBES: MULTIPLE TAN AREAS, UP TO 2 X 1 MM; COLLECTED ON ROUTINE SECTION	LIVER (LI) :
		-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
		-LIPIDOSIS, SUBCAPSULAR (TENSION LIPIDOSIS),-MODERATELY SEVERE, FOCAL
		KIDNEY (KD) :
		-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
		LUNG (LU) :
		-INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL, FOCAL
		HEART (HT) :
		-MINERALIZATION,-MINIMAL, FOCAL
		THYROID (TY) :
		-B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 13 X 9 X 8 MM, RED, GREY, TAN, LOBULATED AND SOFT	-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
		PROSTATE (PR) :
		-INFLAMMATION, ACUTE,-SLIGHT, FOCAL
		CAUSE OF DEATH (CD) :
		-PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90954 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/19/99 STUDY DAY OF DEATH: 479 STUDY WEEK OF DEATH: 69 TERMINAL BODY WEIGHT: 430.4 GRAMS
DATE AND TIME OF NECROPSY: 05/19/99 10:26 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; BOTH REGIONS: DRY, YELLOW MATERIAL -BLOOD FILM TAKEN	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90955 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 765.0 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 9:45 PROSECTOR: MICHELE MARGGI RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; SWOLLEN; TAIL-PROXIMAL; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 4 X 3 MM; COLLECTED ON ROUTINE SECTIONS PITUITARY (PI) : -DARK FOCUS(I)/AREA(S); MID ASPECT: SINGLE DARK BROWN FOCUS, 1 MM IN DIAMETER	LIVER (LI) : -DEGENERATION, CYSTIC,-MODERATE, MULTI-FOCAL -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MODERATELY SEVERE, FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL -VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90955 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 765.0 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 9:45 PROSECTOR: MICHELE MARGGI RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	TAIL (TI) : -LARGE; PROXIMAL ONE-HALF OF TAIL: UP TO 19 MM IN DIAMETER; COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	TAIL (TI) : -EXOSTOSES,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90955 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 765.0 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 9:45 PROSECTOR: MICHELE MARGGI RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90956 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 597.5 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 10:25 PROSECTOR: JARED FISHEL RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED		EYE (EY) : -INFLAMMATION, ACUTE, CORNEAL,-MINIMAL, MULTI-FOCAL
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) :	BRAIN (BR) :
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) :	LIVER (LI) :
>SKIN & PELAGE; BROWN HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED	-MOTTLED; ALL LOBES: RED AND TAN	-DEGENERATION, CYSTIC,-SLIGHT, MULTI-FOCAL -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL -VACUOLATION, HEPATOCELLULAR,-SEVERE, MULTI-FOCAL
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE		
	KIDNEY (KD) :	KIDNEY (KD) :
	-ROUGH SURFACE, DIFFUSE; BILATERAL -DIFFUSELY LIGHT; BILATERAL: TAN	>UNREMARKABLE
	TESTIS (TE) :	TESTIS (TE) :
	-SMALL; BILATERAL: EACH IS 16 X 8 X 7 MM; BOTH APPEAR SOFT	-MINERALIZATION,-SLIGHT, FOCAL
		THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT -B-ADENOMA, C-CELL,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90956 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 597.5 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 10:25 PROSECTOR: JARED FISHEL RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

PITUITARY (PI) :
-MASS(ES); 12 X 8 X 6 MM, DARK RED, TAN AND SOFT

STOMACH, GL (ST) :
-DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN AREAS, UP TO 4 X 2 MM

GENERAL COMMENT (GC) :
-STAINS-PERINEUM/PERIANAL; EXTENDING INTO VENTRAL ABDOMINAL REGION: MOIST BROWN MATERIAL
-BLOOD FILM TAKEN
-DISCHARGE-OCULAR; BILATERAL: RED MATERIAL
-MALOCCLUSION; LEFT UPPER INCISOR
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

PITUITARY (PI) :
-B-ADENOMA,-NEOPLASM PRESENT

HARDERIAN GLAND (HG) :
-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL

STOMACH, GL (ST) :
-EDEMA,-MODERATELY SEVERE, FOCAL

PROSTATE (PR) :
-INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE, MULTI-FOCAL

SEMINAL VESICLES (SV) :
-INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90956 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 597.5 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 10:25 PROSECTOR: JARED FISHEL RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -TEETH MISSING/BROKEN/WORN; LEFT UPPER INCISOR: BROKEN OFF AT BASE RIGHT UPPER INCISOR: MISSING	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90957 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 549.6 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 10:35 PROSECTOR: GREGORY CODDINGTON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0384	.0070 %	.0172	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0317	.0058 %	.0142	WEIGHT TAKEN
BRAIN (BR)	2.2324	.4062 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	2.2615	.4115 %	1.0130	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	2.1128	.3844 %	.9464	WEIGHT TAKEN
LIVER (LI)	30.0667	5.4707 %	13.4683	WEIGHT TAKEN
LUNG (LU)	2.3390	.4256 %	1.0478	WEIGHT TAKEN
SPLEEN (SP)	.6621	.1205 %	.2966	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.8336	.3336 %	.8214	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.8700	.3402 %	.8377	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0171	.0031 %	.0077	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0196	.0036 %	.0088	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; MISSING; TEETH; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL
-VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL
LUNG (LU) :
-HYPERPLASIA, MEDIAL, ARTERIAL/ARTERIOLAR,-SLIGHT, FOCAL
THYROID (TY) :
-CYST, ULTIMOBRANCHIAL,-PRESENT
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90957 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
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DATE AND TIME OF NECROPSY: 01/27/99 10:35 PROSECTOR: GREGORY CODDINGTON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: DARK RED (CAP 21) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY MATERIAL -MALOCCLUSION; RIGHT UPPER INCISOR -BONE MARROW SMEAR TAKEN -TEETH MISSING/BROKEN/WORN; MISSING: LEFT UPPER INCISOR	LN, MANDIBULAR (MN) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90957 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
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DATE AND TIME OF NECROPSY: 01/27/99 10:35 PROSECTOR: GREGORY CODDINGTON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90958 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/12/99 STUDY DAY OF DEATH: 656 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/12/99 7:41 PROSECTOR: CHANESTA ACKER RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>APPEARANCE; SWOLLEN; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED		-DILATATION, VENTRICULAR,-PRESENT
		LIVER (LI) :
>HOUSING,FOOD,WATER & MAINT.; TEETH CUT; VERIFIED AT NECROPSY: NOT APPLICABLE		-DEGENERATION, CYSTIC,-SLIGHT, MULTI-FOCAL
		-HYPERPLASIA, BILE DUCT,-SLIGHT, MULTI-FOCAL
>SKIN & PELAGE; SORE/SCAB; PAWS-HIND; VERIFIED AT NECROPSY: OBSERVED		-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
	KIDNEY (KD) :	KIDNEY (KD) :
	-GRANULAR MATERIAL; RIGHT, WITHIN PELVIS: MULTIPLE TAN AND FIRM GRANULES, UP TO 1 MM IN DIAMETER	-MINERALIZATION, TUBULAR,-MINIMAL, MULTI-FOCAL
		ADRENAL, CORTEX (AC) :
		-DEGENERATION, CYSTIC, CORTICAL,-MODERATE, FOCAL
		-HEMORRHAGE,-SLIGHT, FOCAL
		HEART (HT) :
		-DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL
		-FIBROSIS,-MINIMAL, MULTI-FOCAL
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 8 X 7 X 5 MM, DARK RED, TAN AND SOFT	-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90958 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/12/99 STUDY DAY OF DEATH: 656 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: NOT ENTERED
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		COLON (CO) : -PARASITISM,-PRESENT PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL, MULTI-FOCAL SEMINAL VESICLES (SV) : -SECRETION, INCREASED,-PRESENT CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	FOOT/FOOTPAD(S) (FP) : -CRUSTED AREA(S); BILATERAL HINDFEET: SINGLE DRY, DARK RED CRUSTED AREA ON EACH, RIGHT IS 12 X 12 MM, LEFT IS 10 X 6 MM; TISSUE SURROUNDING LEFT APPEARS SWOLLEN; BOTH COLLECTED GENERAL COMMENT (GC) : -MALOCCLUSION; UPPER LEFT INCISOR -TEETH MISSING/BROKEN/WORN; UPPER RIGHT INCISOR: MISSING	FOOT/FOOTPAD(S) (FP) : -EROSION,-MODERATELY SEVERE, MULTI-FOCAL -EXOSTOSES,-SEVERE, MULTI-FOCAL -FIBROSIS,-MODERATE, MULTI-FOCAL -INFLAMMATION, ACUTE,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90958 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/12/99 STUDY DAY OF DEATH: 656 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/12/99 7:41 PROSECTOR: CHANESTA ACKER RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90959 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/17/99 STUDY DAY OF DEATH: 600 STUDY WEEK OF DEATH: 86 TERMINAL BODY WEIGHT: 654.7 GRAMS
DATE AND TIME OF NECROPSY: 09/17/99 14:49 PROSECTOR: JAMES T. CALLEN RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
		-DILATATION, VENTRICULAR,-PRESENT
>EYES; RED DISCHARGE; EYE-RIGHT; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) :	LIVER (LI) :
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE	-RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 3 X 2 MM; COLLECTED ON ROUTINE SECTIONS	-HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL
		-VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL
		SPLEEN (SP) :
		-B-HEMANGIOMA,-NEOPLASM PRESENT
		LUNG (LU) :
		-MINERALIZATION, VASCULAR,-MINIMAL, MULTI-FOCAL
		THYROID (TY) :
		-B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 11 X 5 X 5 MM, RED, DARK RED, TAN, LOBULATED AND FIRM	-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
	SALIV GL, MANDIB (SG) :	SALIV GL, MANDIB (SG) :
	>NOTE:>TRIMMING COMMENT: NOT FOUND WITH WET TISSUE	>TISSUE MISSING

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-STAINS-PERINEUM/PERIANAL; DRY AND BROWN MATERIAL
-BLOOD FILM TAKEN
-DISCHARGE-OCULAR; RIGHT: DRY AND RED MATERIAL

HISTOPATHOLOGY

PROSTATE (PR) :
-INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL
CAUSE OF DEATH (CD) :
-PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90959 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90960 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 480.3 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 8:31 PROSECTOR: TERRI L. WILLIAMS RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0336	.0070 %	.0163	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0328	.0068 %	.0159	WEIGHT TAKEN
BRAIN (BR)	2.0634	.4296 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.9514	.4063 %	.9457	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	2.0451	.4258 %	.9911	WEIGHT TAKEN
LIVER (LI)	24.0869	5.0150 %	11.6734	WEIGHT TAKEN
LUNG (LU)	1.4765	.3074 %	.7156	WEIGHT TAKEN
SPLEEN (SP)	.6268	.1305 %	.3038	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.6023	.3336 %	.7765	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.6563	.3448 %	.8027	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0145	.0030 %	.0070	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0125	.0026 %	.0061	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

LIVER (LI) :
-HYPERTROPHY, CENTRILOBULAR,
HEPATOCELLULAR,-MODERATE, DIFFUSE
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90960 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
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DATE AND TIME OF NECROPSY: 04/29/98 8:31 PROSECTOR: TERRI L. WILLIAMS RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90961 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 309.9 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 10:06 PROSECTOR: TODD ACKER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	10.9577	3.5359 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RIGHT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LEFT THYROID/PAR (TT0)	--------	--------	--------	NOT TAKEN
RIGHT THYROID/PR (TT1)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90961 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 309.9 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 10:06 PROSECTOR: TODD ACKER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE),
BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM),
NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI),
HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE),
ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR),
SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC),
CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM),
LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN),
JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA),
LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ),
TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90962 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/01/99 STUDY DAY OF DEATH: 492 STUDY WEEK OF DEATH: 71 TERMINAL BODY WEIGHT: 475.5 GRAMS
DATE AND TIME OF NECROPSY: 06/01/99 9:11 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; RED HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: NOT OBSERVED
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

PITUITARY (PI) :
-MASS(ES); 10 X 8 X 8 MM, RED, DARK RED, GREY AND SOFT

STOMACH, NONGL (SU) :
-EROSION/ULCERATION; SINGLE ULCERATED AREA, 4 MM IN DIAMETER; ADHERED TO OUTLYING ADIPOSE TISSUE

PROSTATE (PR) :
-NODULAR; PROXIMAL, SURROUNDING URETHRA: GREEN AND FIRM

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
-DILATATION, VENTRICULAR,-PRESENT
LIVER (LI) :
-VACUOLATION, HEPATOCELLULAR,-SEVERE, MULTI-FOCAL
ADRENAL, CORTEX (AC) :
-VACUOLATION,-MINIMAL, FOCAL
PITUITARY (PI) :
-HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL
-B-ADENOMA,-NEOPLASM PRESENT
STOMACH, NONGL (SU) :
-EDEMA,-MODERATELY SEVERE, FOCAL
-EROSION,-MODERATELY SEVERE, MULTI-FOCAL
-INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL
PROSTATE (PR) :
-INFLAMMATION, CHRONIC-ACTIVE,-MODERATE, MULTI-FOCAL
CAUSE OF DEATH (CD) :
-PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90962 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/01/99 STUDY DAY OF DEATH: 492 STUDY WEEK OF DEATH: 71 TERMINAL BODY WEIGHT: 475.5 GRAMS
DATE AND TIME OF NECROPSY: 06/01/99 9:11 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; ENTIRE VENTRAL SURFACE: YELLOW AND BROWN -BLOOD FILM TAKEN -DISCHARGE-NASAL; BILATERAL: RED	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90962 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/01/99 STUDY DAY OF DEATH: 492 STUDY WEEK OF DEATH: 71 TERMINAL BODY WEIGHT: 475.5 GRAMS
DATE AND TIME OF NECROPSY: 06/01/99 9:11 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90963 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/18/99 STUDY DAY OF DEATH: 509 STUDY WEEK OF DEATH: 73 TERMINAL BODY WEIGHT: 412.7 GRAMS
DATE AND TIME OF NECROPSY: 06/18/99 15:25 PROSECTOR: NOT AVAILABLE RECORDER: NOT AVAILABLE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: NOT AVAILABLE WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: NOT OBSERVED
>SKIN & PELAGE; COLD TO TOUCH; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

LIVER (LI) :
-DIFFUSELY DARK; ALL LOBES: BROWN

PITUITARY (PI) :
-MASS(ES); 12 X 10 X 8 MM, RED, DARK RED, TAN AND FIRM

HARDERIAN GLAND (HG) :
>NOTE:>TRIMMING COMMENT: MISSING FROM WET TISSUE

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
-DILATATION, VENTRICULAR,-PRESENT

LIVER (LI) :
-HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL
-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL

KIDNEY (KD) :
-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
-PYELONEPHRITIS,-MINIMAL, MULTI-FOCAL

ADRENAL, CORTEX (AC) :
-VACUOLATION,-MINIMAL, FOCAL

LUNG (LU) :
-INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL, MULTI-FOCAL

PITUITARY (PI) :
-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
-B-ADENOMA,-NEOPLASM PRESENT

HARDERIAN GLAND (HG) :
>TISSUE MISSING

STOMACH, NONGL (SU) :
-EDEMA,-MODERATE, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90963 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/18/99 STUDY DAY OF DEATH: 509 STUDY WEEK OF DEATH: 73 TERMINAL BODY WEIGHT: 412.7 GRAMS
DATE AND TIME OF NECROPSY: 06/18/99 15:25 PROSECTOR: NOT AVAILABLE RECORDER: NOT AVAILABLE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: NOT AVAILABLE WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, NONGL (SU) : -LIGHT FOCUS(I)/AREA(S); MUCOSA: MULTIPLE TAN, HARD AND SLIGHTLY RAISED AREAS, UP TO 3 X 2 MM	STOMACH, NONGL (SU) : -EROSION,-MINIMAL, FOCAL -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL, FOCAL PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE, MULTI-FOCAL CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90963 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
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DATE AND TIME OF NECROPSY: 06/18/99 15:25 PROSECTOR: NOT AVAILABLE RECORDER: NOT AVAILABLE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: NOT AVAILABLE WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90964 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/24/99 STUDY DAY OF DEATH: 515 STUDY WEEK OF DEATH: 74 TERMINAL BODY WEIGHT: 489.0 GRAMS
DATE AND TIME OF NECROPSY: 06/24/99 15:14 PROSECTOR: DENNIS HOFFMAN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAWS-HIND; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; SWOLLEN; PAWS-HIND; VERIFIED AT NECROPSY: OBSERVED >EYES; OPAQUE; EYE-RIGHT; VERIFIED AT NECROPSY: OBSERVED >EYES; DISCOLORED/LIGHT RED; EYE-LEFT; VERIFIED AT NECROPSY: NOT OBSERVED >APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE	EYE (EY) : -OPAQUE CORNEA; RIGHT KIDNEY (KD) : -LARGE PELVIS(ES); BILATERAL -ROUGH SURFACE, DIFFUSE; BILATERAL -DIFFUSELY LIGHT; BILATERAL: TAN	EYE (EY) : -INFLAMMATION, ACUTE, CORNEAL,-MINIMAL, MULTI-FOCAL -MINERALIZATION, CORNEAL,-MINIMAL, MULTI-FOCAL LIVER (LI) : -CYST,-SLIGHT, MULTI-FOCAL -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MODERATE, FOCAL -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -DILATATION, PELVIC,-PRESENT -NEPHROPATHY, CHRONIC PROGRESSIVE,-SEVERE, DIFFUSE SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT, MULTI-FOCAL ADRENAL, CORTEX (AC) : -VACUOLATION,-MODERATE, MULTI-FOCAL ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,- 2 NEOPLASMS PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90964 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/24/99 STUDY DAY OF DEATH: 515 STUDY WEEK OF DEATH: 74 TERMINAL BODY WEIGHT: 489.0 GRAMS
DATE AND TIME OF NECROPSY: 06/24/99 15:14 PROSECTOR: DENNIS HOFFMAN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		BONE, FEMUR (FE) : -OSTEODYSTROPHY, FIBROUS,-MODERATE, MULTI-FOCAL
		NERVE, SCIATIC (SN) : >TISSUE MISSING
		PARATHYROID (PT) : -HYPERPLASIA,-MODERATELY SEVERE, DIFFUSE
		PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -THICKENED WALL	STOMACH, GL (ST) : -MINERALIZATION,-MODERATE, MULTI-FOCAL
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE, MULTI-FOCAL
		SEMINAL VESICLES (SV) : -INFLAMMATION, ACUTE,-MODERATE, MULTI-FOCAL
		CAUSE OF DEATH (CD) : -CHRONIC PROGRESSIVE NEPHROPATHY,-PRESENT
	LN, LUMBAR/ILIAC (LM) : -LARGE; BILATERAL, LUMBAR: EACH IS 5 X 5 X 9 MM (CAP 21)	LN, LUMBAR/ILIAC (LM) : -DILATATION, SINUSOIDAL,-MODERATE, MULTI-FOCAL -HYPERPLASIA, LYMPHOCYTIC,-MODERATE, MULTI-FOCAL
		MAMMARY, MALE (MM) : -PIGMENT,-SLIGHT, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90964 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/24/99 STUDY DAY OF DEATH: 515 STUDY WEEK OF DEATH: 74 TERMINAL BODY WEIGHT: 489.0 GRAMS
DATE AND TIME OF NECROPSY: 06/24/99 15:14 PROSECTOR: DENNIS HOFFMAN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	FOOT/FOOTPAD(S) (FP) : -ABRASION(S)/ULCERATION(S); BILATERAL, HINDFEET: SINGLE MOIST, RED AND TAN ABRADED AREA ON EACH, LEFT IS 8 X 11 MM, RIGHT IS 13 X 19 MM; SURROUNDING TISSUE APPEARS SWOLLEN; COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN -YELLOWISH MUCOUS MEMBRANES; DIFFUSE: PALE	FOOT/FOOTPAD(S) (FP) : -EDEMA,-MODERATE, MULTI-FOCAL -EROSION,-SEVERE, MULTI-FOCAL -INFLAMMATION, ACUTE,-MODERATELY SEVERE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90964 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/24/99 STUDY DAY OF DEATH: 515 STUDY WEEK OF DEATH: 74 TERMINAL BODY WEIGHT: 489.0 GRAMS
DATE AND TIME OF NECROPSY: 06/24/99 15:14 PROSECTOR: DENNIS HOFFMAN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
BRAIN (BR), PANCREAS (PA), LN, MESENTERIC (MS), TESTIS (TE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90965 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 533.5 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 8:27 PROSECTOR: JERALD W. JOHNSON RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; SORE/SCAB; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -DIFFUSELY DARK; ALL LOBES: DARK BROWN	LIVER (LI) : -DEGENERATION, CYSTIC,-SLIGHT, FOCAL -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-SLIGHT, MULTI-FOCAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MODERATELY SEVERE, FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL -VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL
	KIDNEY (KD) : -DIFFUSELY DARK; BILATERAL: DARK BROWN	KIDNEY (KD) : >UNREMARKABLE
		PANCREAS (PA) : -ATROPHY, ACINAR,-MODERATE, MULTI-FOCAL -PIGMENT,-MINIMAL, MULTI-FOCAL
		ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-SLIGHT, FOCAL -VACUOLATION,-SLIGHT, FOCAL
	LUNG (LU) : -LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE GRAY AREAS, UP TO 10 X 9 MM	LUNG (LU) : -HYPERPLASIA, TYPE II PNEUMOCYTE,-MODERATE, MULTI-FOCAL
		THYROID (TY) : -CYST, FOLLICULAR,-MODERATE, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90965 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 533.5 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 8:27 PROSECTOR: JERALD W. JOHNSON RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT PROSTATE (PR) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	FOOT/FOOTPAD(S) (FP) : -CRUSTED AREA(S); LEFT HINDFOOT: SINGLE DARK RED, TAN, DRY CRUSTED AREA, 4 MM IN DIAMETER; COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL, UPPER INCISORS -BONE MARROW SMEAR TAKEN	FOOT/FOOTPAD(S) (FP) : -EROSION,-MODERATE, FOCAL -FIBROSIS,-MODERATE, FOCAL -INFLAMMATION, ACUTE,-SLIGHT, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90965 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 533.5 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 8:27 PROSECTOR: JERALD W. JOHNSON RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90966 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 393.8 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 8:53 PROSECTOR: TODD ACKER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	13.2827	3.3730 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RIGHT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LEFT THYROID/PAR (TT0)	--------	--------	--------	NOT TAKEN
RIGHT THYROID/PR (TT1)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90966 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 393.8 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 8:53 PROSECTOR: TODD ACKER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90967 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 664.1 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 13:23 PROSECTOR: WENDY CHERRY RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0400	.0060 %	.0166	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0375	.0056 %	.0155	WEIGHT TAKEN
BRAIN (BR)	2.4167	.3639 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	2.4323	.3663 %	1.0065	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	2.3103	.3479 %	.9560	WEIGHT TAKEN
LIVER (LI)	23.8000	3.5838 %	9.8481	WEIGHT TAKEN
LUNG (LU)	2.4213	.3646 %	1.0019	WEIGHT TAKEN
SPLEEN (SP)	1.0494	.1580 %	.4342	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.7744	.2672 %	.7342	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.7720	.2668 %	.7332	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0205	.0031 %	.0085	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0188	.0028 %	.0078	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
UNVERIFIED AT NECROPSY

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
>UNREMARKABLE
LIVER (LI) :
-HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR,-MODERATELY SEVERE, MULTI-FOCAL
-VACUOLATION, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL
PANCREAS (PA) :
-INFLAMMATION, CHRONIC,-MINIMAL, FOCAL
LUNG (LU) :
-MINERALIZATION, VASCULAR,-MINIMAL, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90967 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 664.1 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 13:23 PROSECTOR: WENDY CHERRY RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 8 X 7 X 6 MM, DARK RED AND SOFT GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90967 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 664.1 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 13:23 PROSECTOR: WENDY CHERRY RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), KIDNEY (KD), SPLEEN (SP), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90968 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 601.1 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 8:35 PROSECTOR: NANCY DIEDRICH RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>SKIN & PELAGE; SORE/SCAB; PAWS-HIND;
VERIFIED AT NECROPSY: NOT OBSERVED
>APPEARANCE; MALOCCLUSION; VERIFIED AT
NECROPSY: OBSERVED

NECROPSY

TESTIS (TE) :
-SMALL; BILATERAL: EACH IS 20 X 13 X 8
MM; BOTH ARE SOFT

PROSTATE (PR) :
-NODULAR; PROXIMAL, SURROUNDING
URETHRA: GREEN AND FIRM

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-MALOCCLUSION; BILATERAL UPPER
INCISORS

HISTOPATHOLOGY

LIVER (LI) :
-DEGENERATION, CYSTIC,-MINIMAL, FOCAL
-HYPERTROPHY, CENTRILOBULAR,
HEPATOCELLULAR,-SLIGHT, DIFFUSE
-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-
FOCAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-
MINIMAL, MULTI-FOCAL
PANCREAS (PA) :
-ATROPHY, ACINAR,-SLIGHT, MULTI-FOCAL
TESTIS (TE) :
-ATROPHY/DEGENERATION,-SEVERE, DIFFUSE
-MINERALIZATION,-MODERATE, MULTI-FOCAL
PITUITARY (PI) :
-B-ADENOMA,-NEOPLASM PRESENT
PROSTATE (PR) :
-INFLAMMATION, ACUTE,-MODERATE, MULTI-
FOCAL
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90968 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 601.1 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 8:35 PROSECTOR: NANCY DIEDRICH RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90969 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 09/10/99 STUDY DAY OF DEATH: 593 STUDY WEEK OF DEATH: 85 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 09/10/99 9:42 PROSECTOR: TONY HANFELD RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-RIGHT; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) SPLEEN (SP) : -LARGE; 88 X 21 X 19 MM; MARGINS APPEAR ROUNDED PITUITARY (PI) : -MASS(ES); SINGLE MASS, 9 X 6 X 4 MM, RED, DARK RED, TAN AND SOFT STOMACH, GL (ST) : -EROSION/ULCERATION; MUCOSA: SINGLE DARK RED ERODED AREA, 3 MM IN DIAMETER FOOT/FOOTPAD(S) (FP) : -CRUSTED AREA(S); RIGHT HINDFOOT: SINGLE DARK RED AND DRY CRUSTED AREA, 6 MM IN DIAMETER; COLLECTED	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SEVERE, DIFFUSE PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT STOMACH, GL (ST) : >UNREMARKABLE PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL, MULTI-FOCAL CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT FOOT/FOOTPAD(S) (FP) : -EROSION,-MODERATELY SEVERE, FOCAL -EXOSTOSES,-MODERATE, MULTI-FOCAL -FIBROSIS,-MODERATE, FOCAL -INFLAMMATION, ACUTE,-MODERATE, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90969 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 09/10/99 STUDY DAY OF DEATH: 593 STUDY WEEK OF DEATH: 85 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 09/10/99 9:42 PROSECTOR: TONY HANFELD RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90970 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/23/99 STUDY DAY OF DEATH: 697 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: 639.0 GRAMS
DATE AND TIME OF NECROPSY: 12/23/99 13:46 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); DORSAL; WEEK 56; 20 X 25MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>SKIN & PELAGE; SORE/SCAB; DORSAL; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) :	-DILATATION, VENTRICULAR,-PRESENT
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	-RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 6 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) :
>RESPIRATION; IRREGULAR; VERIFIED AT NECROPSY: NOT APPLICABLE		-VACUOLATION, HEPATOCELLULAR,-SEVERE, DIFFUSE
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) :
>SKIN & PELAGE; COLD TO TOUCH; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE	PITUITARY (PI) :	-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
	-MASS(ES); 8 X 8 X 7 MM, DARK RED, TAN, AND SOFT	PITUITARY (PI) :
	STOMACH, NONGL (SU) :	-HEMORRHAGE,-MODERATE, MULTI-FOCAL
	-EROSION/ULCERATION; MUCOSA: MULTIPLE TAN ERODED AREAS, UP TO 2 MM IN DIAMETER	-B-ADENOMA,-NEOPLASM PRESENT
		STOMACH, NONGL (SU) :
		-EDEMA,-SLIGHT, FOCAL
		-EROSION,-SLIGHT, FOCAL
		-INFLAMMATION, ACUTE,-SLIGHT, FOCAL
		SKIN (SK) :
		-B-PAPILLOMA, SQUAMOUS CELL,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90970 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/23/99 STUDY DAY OF DEATH: 697 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: 639.0 GRAMS
DATE AND TIME OF NECROPSY: 12/23/99 13:46 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	SKIN (SK) : -MASS(ES); MID DORSAL THORACIC REGION: SINGLE MASS, 40 X 35 X 35 MM, TAN, DARK RED AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED; OVERLYING SKIN HAS A SINGLE DARK RED CRUSTED AREA, 20 MM IN DIAMETER; COLLECTED INTACT	
		PROSTATE (PR) : -INFLAMMATION, ACUTE,-SLIGHT, FOCAL
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	FOOT/FOOTPAD(S) (FP) : -ABRASION(S)/ULCERATION(S); LEFT HIND FOOT: SINGLE DARK RED AND MOIST ABRADED AREA, 13 X 10 X 5 MM; COLLECTED	FOOT/FOOTPAD(S) (FP) : -EDEMA,-MODERATELY SEVERE, FOCAL -EROSION,-MODERATELY SEVERE, FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL -INFLAMMATION, ACUTE,-MODERATE, FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED AND MOIST -ANIMAL OBESE	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90970 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/23/99 STUDY DAY OF DEATH: 697 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: 639.0 GRAMS
DATE AND TIME OF NECROPSY: 12/23/99 13:46 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90971 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 03/20/98 STUDY DAY OF DEATH: 54 STUDY WEEK OF DEATH: 8 TERMINAL BODY WEIGHT: 262.0 GRAMS
DATE AND TIME OF NECROPSY: 03/20/98 10:17 PROSECTOR: TODD ACKER RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: TERRI L. WILLIAMS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0288	.0110 %	.0165	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0200	.0076 %	.0115	WEIGHT TAKEN
BRAIN (BR)	1.7426	.6651 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.1749	.4484 %	.6742	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.2073	.4608 %	.6928	WEIGHT TAKEN
LIVER (LI)	20.2788	7.7400 %	11.6371	WEIGHT TAKEN
LUNG (LU)	1.0138	.3869 %	.5818	WEIGHT TAKEN
SPLEEN (SP)	.4768	.1820 %	.2736	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.6178	.6175 %	.9284	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.5791	.6027 %	.9062	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0112	.0043 %	.0064	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0093	.0035 %	.0053	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN AREAS, UP TO 14 X 2 MM; COLLECTED ON ROUTINE SECTION -LARGE; ALL LOBES -DEPRESSED FOCUS(I)/AREA(S); DIAPHRAGMATIC SURFACE OF LEFT AND RIGHT MEDIAN LOBES: SINGLE, LINEAR, DEPRESSED AREA ON EACH, LEFT IS 15 X 2 MM, RIGHT IS 20 X 2 MM; COLLECTED ON ROUTINE SECTION AND EXTRA SECTION COLLECTED	LIVER (LI) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR,-MODERATE, DIFFUSE -NECROSIS, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90971 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 03/20/98 STUDY DAY OF DEATH: 54 STUDY WEEK OF DEATH: 8 TERMINAL BODY WEIGHT: 262.0 GRAMS
DATE AND TIME OF NECROPSY: 03/20/98 10:17 PROSECTOR: TODD ACKER RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: TERRI L. WILLIAMS

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	ADRENAL, CORTEX (AC) : -DIFFUSELY RED; BILATERAL: DARK RED	ADRENAL, CORTEX (AC) : >UNREMARKABLE CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BONE MARROW SMEAR TAKEN	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), DUODENUM (DU)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90972 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 03/20/98 STUDY DAY OF DEATH: 54 STUDY WEEK OF DEATH: 8 TERMINAL BODY WEIGHT: 301.3 GRAMS
DATE AND TIME OF NECROPSY: 03/20/98 9:50 PROSECTOR: DONIA MEYER RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TERRI L. WILLIAMS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0184	.0061 %	.0089	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0222	.0074 %	.0107	WEIGHT TAKEN
BRAIN (BR)	2.0763	.6891 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.2294	.4080 %	.5921	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.3130	.4358 %	.6324	WEIGHT TAKEN
LIVER (LI)	18.5147	6.1449 %	8.9172	WEIGHT TAKEN
LUNG (LU)	1.0329	.3428 %	.4975	WEIGHT TAKEN
SPLEEN (SP)	.4625	.1535 %	.2228	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.8046	.5989 %	.8691	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.7682	.5869 %	.8516	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0091	.0030 %	.0044	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0076	.0025 %	.0037	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -LARGE; ALL LOBES -DIFFUSELY DARK; ALL LOBES: DARK BROWN STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: TWO DARK BROWN FOCI, EACH IS 1 MM IN DIAMETER CECUM (CE) : -DIFFUSELY RED; DIFFUSE	LIVER (LI) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR,-MODERATE, DIFFUSE -NECROSIS, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL STOMACH, GL (ST) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL CECUM (CE) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90972 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 03/20/98 STUDY DAY OF DEATH: 54 STUDY WEEK OF DEATH: 8 TERMINAL BODY WEIGHT: 301.3 GRAMS
DATE AND TIME OF NECROPSY: 03/20/98 9:50 PROSECTOR: DONIA MEYER RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TERRI L. WILLIAMS

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90984 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 328.4 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 11:24 PROSECTOR: DONIA MEYER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	16.3999	4.9939 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RIGHT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LEFT THYROID/PAR (TT0)	--------	--------	--------	NOT TAKEN
RIGHT THYROID/PR (TT1)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90984 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 328.4 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 11:24 PROSECTOR: DONIA MEYER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90988 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 03/20/98 STUDY DAY OF DEATH: 54 STUDY WEEK OF DEATH: 8 TERMINAL BODY WEIGHT: 296.7 GRAMS
DATE AND TIME OF NECROPSY: 03/20/98 10:50 PROSECTOR: GREGORY CODDINGTON RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TERRI L. WILLIAMS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0276	.0093 %	.0132	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0225	.0076 %	.0108	WEIGHT TAKEN
BRAIN (BR)	2.0831	.7021 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.3893	.4683 %	.6669	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.3243	.4463 %	.6357	WEIGHT TAKEN
LIVER (LI)	19.8542	6.6917 %	9.5311	WEIGHT TAKEN
LUNG (LU)	1.1918	.4017 %	.5721	WEIGHT TAKEN
SPLEEN (SP)	.6098	.2055 %	.2927	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.5892	.5356 %	.7629	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.5609	.5261 %	.7493	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0075	.0025 %	.0036	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0076	.0026 %	.0036	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -LARGE; ALL LOBES -DIFFUSELY DARK; ALL LOBES: DARK BROWN	LIVER (LI) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR,-MODERATE, DIFFUSE -NECROSIS, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	CAVITY, ABDOM (PC) : -EDEMA; ADIPOSE TISSUE SURROUNDING LEFT KIDNEY: CLEAR GELATINOUS AND EDEMATOUS (CAP 18)	CAVITY, ABDOM (PC) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90988 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 03/20/98 STUDY DAY OF DEATH: 54 STUDY WEEK OF DEATH: 8 TERMINAL BODY WEIGHT: 296.7 GRAMS
DATE AND TIME OF NECROPSY: 03/20/98 10:50 PROSECTOR: GREGORY CODDINGTON RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TERRI L. WILLIAMS

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS | NECROPSY | HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90993 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/19/98 STUDY DAY OF DEATH: 53 STUDY WEEK OF DEATH: 8 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/19/98 16:23 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -LARGE; ALL LOBES: THICKENED -MOTTLED; ALL LOBES: DARK BROWN AND TAN LUNG (LU) : -DIFFUSELY RED; ALL LOBES: DARK RED GENERAL COMMENT (GC) : -DISCHARGE-ORAL; RED AND DRY -DISCHARGE-OCULAR; BILATERAL: DARK RED AND CRUSTED -DISCHARGE-NASAL; RED AND DRY -MALOCCLUSION; BILATERAL UPPER AND LOWER INCISORS -GI TRACT-DARK FLUID CONTENT; ENTIRE GI TRACT: DARK BROWN, TENACIOUS SEMIFLUID	LIVER (LI) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -NECROSIS, HEPATOCELLULAR,-MODERATELY SEVERE, MULTI-FOCAL THYMUS (TH) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL LUNG (LU) : >UNREMARKABLE CAUSE OF DEATH (CD) : -HEPATIC NECROSIS,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90993 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/19/98 STUDY DAY OF DEATH: 53 STUDY WEEK OF DEATH: 8 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/19/98 16:23 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90996 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 03/20/98 STUDY DAY OF DEATH: 54 STUDY WEEK OF DEATH: 8 TERMINAL BODY WEIGHT: 397.0 GRAMS
DATE AND TIME OF NECROPSY: 03/20/98 8:08 PROSECTOR: GREGORY CODDINGTON RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TERRI L. WILLIAMS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0322	.0081 %	.0147	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0309	.0078 %	.0141	WEIGHT TAKEN
BRAIN (BR)	2.1902	.5517 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.7846	.4495 %	.8148	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.9303	.4862 %	.8813	WEIGHT TAKEN
LIVER (LI)	27.3204	6.8817 %	12.4739	WEIGHT TAKEN
LUNG (LU)	1.6624	.4187 %	.7590	WEIGHT TAKEN
SPLEEN (SP)	.7825	.1971 %	.3573	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.9606	.4939 %	.8952	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.9131	.4819 %	.8735	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0096	.0024 %	.0044	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0108	.0027 %	.0049	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

LIVER (LI) :
-LARGE; ALL LOBES

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

LIVER (LI) :
-HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR,-MODERATE, DIFFUSE
KIDNEY (KD) :
-CYST,-MINIMAL, FOCAL
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C90996 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 03/20/98 STUDY DAY OF DEATH: 54 STUDY WEEK OF DEATH: 8 TERMINAL BODY WEIGHT: 397.0 GRAMS
DATE AND TIME OF NECROPSY: 03/20/98 8:08 PROSECTOR: GREGORY CODDINGTON RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TERRI L. WILLIAMS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91003 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/11/98 STUDY DAY OF DEATH: 45 STUDY WEEK OF DEATH: 7 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/11/98 11:40 PROSECTOR: NANCY DIEDRICH RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

LIVER (LI) :
-LARGE; ALL LOBES: THICKENED
-MOTTLED; ALL LOBES: RED, BROWN AND TAN

LUNG (LU) :
-DIFFUSELY RED; ALL LOBES: DARK RED
STOMACH, GL (ST) :
-DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN FOCI, UP TO 1 MM IN DIAMETER

GENERAL COMMENT (GC) :
-DISCHARGE-ORAL; RED AND MOIST MATERIAL
-DISCHARGE-NASAL; DARK RED AND MOIST MATERIAL
-MALOCCLUSION; BILATERAL: UPPER INCISORS; UPPER LEFT INCISOR LOOSE AND EASILY MANIPULATED

HISTOPATHOLOGY

LIVER (LI) :
-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
-HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR,-MODERATELY SEVERE, DIFFUSE
-NECROSIS, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL
THYMUS (TH) :
-HEMORRHAGE,-MODERATE, MULTI-FOCAL
LUNG (LU) :
-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
STOMACH, GL (ST) :
>UNREMARKABLE

CAUSE OF DEATH (CD) :
-HEPATIC NECROSIS,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91003 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/11/98 STUDY DAY OF DEATH: 45 STUDY WEEK OF DEATH: 7 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/11/98 11:40 PROSECTOR: NANCY DIEDRICH RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91005 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 295.9 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 11:25 PROSECTOR: TODD ACKER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	15.6214	5.2793 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RIGHT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LEFT THYROID/PAR (TT0)	--------	--------	--------	NOT TAKEN
RIGHT THYROID/PR (TT1)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91005 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 295.9 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 11:25 PROSECTOR: TODD ACKER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91017 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 03/20/98 STUDY DAY OF DEATH: 54 STUDY WEEK OF DEATH: 8 TERMINAL BODY WEIGHT: 329.5 GRAMS
DATE AND TIME OF NECROPSY: 03/20/98 9:45 PROSECTOR: TODD ACKER RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TERRI L. WILLIAMS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0318	.0097 %	.0148	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0347	.0105 %	.0162	WEIGHT TAKEN
BRAIN (BR)	2.1473	.6517 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.4601	.4431 %	.6800	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.6177	.4910 %	.7534	WEIGHT TAKEN
LIVER (LI)	22.0840	6.7023 %	10.2845	WEIGHT TAKEN
LUNG (LU)	1.3642	.4140 %	.6353	WEIGHT TAKEN
SPLEEN (SP)	.6191	.1879 %	.2883	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.7923	.5439 %	.8347	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.8783	.5700 %	.8747	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0015	.0005 %	.0007	EXCLUDE
RIGHT THYROID/PR (TT1)	.0155	.0047 %	.0072	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

LIVER (LI) :
-LARGE; ALL LOBES

STOMACH, GL (ST) :
-RED FOCUS(I)/AREA(S); MUCOSA: SINGLE
DARK RED FOCUS, 1 MM IN DIAMETER

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

LIVER (LI) :
-HYPERTROPHY, CENTRILOBULAR,
HEPATOCELLULAR,-MODERATE, DIFFUSE
-VACUOLATION, HEPATOCELLULAR,-MINIMAL,
MULTI-FOCAL

STOMACH, GL (ST) :
>NOT REQUIRED TO BE EXAMINED FOR ANIMAL

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91017 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 03/20/98 STUDY DAY OF DEATH: 54 STUDY WEEK OF DEATH: 8 TERMINAL BODY WEIGHT: 329.5 GRAMS
DATE AND TIME OF NECROPSY: 03/20/98 9:45 PROSECTOR: TODD ACKER RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TERRI L. WILLIAMS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91024 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 268.8 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 8:37 PROSECTOR: TODD ACKER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	13.4285	4.9957 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RIGHT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LEFT THYROID/PAR (TT0)	--------	--------	--------	NOT TAKEN
RIGHT THYROID/PR (TT1)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91024 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 268.8 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 8:37 PROSECTOR: TODD ACKER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91029 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/15/98 STUDY DAY OF DEATH: 49 STUDY WEEK OF DEATH: 7 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/15/98 9:06 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; CONVULSIONS; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: NOT OBSERVED
>BEHAVIOR; VOCALIZATION; VERIFIED AT NECROPSY: NOT APPLICABLE
>SACRIFICE; SACRIFICE APPROVED BY; STUDY DIRECTOR; VERIFIED AT NECROPSY: NOT APPLICABLE
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE
>DISCHARGE; UNKNOWN; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

THYMUS (TH) :
-RED FOCUS(I)/AREA(S); DIFFUSE: MULTIPLE DARK RED AREAS, UP TO 3 X 1 MM

GENERAL COMMENT (GC) :
-STAINS-PERINEUM/PERIANAL; RED, DRY MATERIAL
-BLOOD FILM TAKEN

HISTOPATHOLOGY

LIVER (LI) :
-HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR,-MODERATELY SEVERE, DIFFUSE
-NECROSIS, HEPATOCELLULAR,-SLIGHT, FOCAL
THYMUS (TH) :
-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
THYROID (TY) :
-CYST, ULTIMOBRANCHIAL,-PRESENT
CAUSE OF DEATH (CD) :
-UNDETERMINED,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91029 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/15/98 STUDY DAY OF DEATH: 49 STUDY WEEK OF DEATH: 7 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/15/98 9:06 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91033 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 316.6 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 10:46 PROSECTOR: TODD ACKER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	16.2783	5.1416 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RIGHT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LEFT THYROID/PAR (TT0)	--------	--------	--------	NOT TAKEN
RIGHT THYROID/PR (TT1)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91033 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 316.6 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 10:46 PROSECTOR: TODD ACKER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91037 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 340.5 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 10:18 PROSECTOR: DONIA MEYER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	17.0914	5.0195 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RIGHT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LEFT THYROID/PAR (TT0)	--------	--------	--------	NOT TAKEN
RIGHT THYROID/PR (TT1)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91037 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 340.5 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 10:18 PROSECTOR: DONIA MEYER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91041 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/22/99 STUDY DAY OF DEATH: 421 STUDY WEEK OF DEATH: 61 TERMINAL BODY WEIGHT: 440.0 GRAMS
DATE AND TIME OF NECROPSY: 03/22/99 14:20 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; BROWN HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-MODERATELY SEVERE, DIFFUSE
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE	KIDNEY (KD) : -ROUGH SURFACE, DIFFUSE; BILATERAL	KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
>SKIN & PELAGE; RED HAIR COAT; VENTRAL-CERVICAL; VERIFIED AT NECROPSY: OBSERVED		ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MINIMAL, FOCAL -HEMORRHAGE,-MINIMAL, FOCAL
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE		
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 6 X 9 X 11 MM, FIRM, RED, AND TAN	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: MULTIPLE BROWN ERODED AREAS, UP TO 2 X 3 MM	STOMACH, NONGL (SU) : -EDEMA,-SLIGHT, FOCAL -EROSION,-MODERATE, FOCAL -INFLAMMATION, ACUTE,-MODERATE, FOCAL
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE, MULTI-FOCAL
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91041 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/22/99 STUDY DAY OF DEATH: 421 STUDY WEEK OF DEATH: 61 TERMINAL BODY WEIGHT: 440.0 GRAMS
DATE AND TIME OF NECROPSY: 03/22/99 14:20 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LN, MEDIASTINAL (ML) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -INFILTRATE, MACROPHAGE, PIGMENTED,- MINIMAL, MULTI-FOCAL >NOTE:>MEDIASTINAL LYMPH NODE WAS PRESENT ON THYMUS SECTION MAMMARY, MALE (MM) : -PIGMENT,-SLIGHT, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-NASAL; DRY RED MATERIAL -STAINS - SKIN/HAIRCOAT; ENTIRE VENTRAL SURFACE: DRY RED AND BROWN MATERIAL -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91041 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/22/99 STUDY DAY OF DEATH: 421 STUDY WEEK OF DEATH: 61 TERMINAL BODY WEIGHT: 440.0 GRAMS
DATE AND TIME OF NECROPSY: 03/22/99 14:20 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91042 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/06/99 STUDY DAY OF DEATH: 650 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/06/99 13:59 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
	PANCREAS (PA) : -MASS(ES); ATTACHED TO CRANIAL END: SINGLE DARK RED AND FIRM MASS, 4 MM IN DIAMETER; SAME ON CUT SURFACE (CAP 23); REGIONAL LN (PANCREATIC) NOT IDENTIFIED	PANCREAS (PA) : -ATROPHY, ACINAR,-SLIGHT, MULTI-FOCAL -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT
		ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT, MULTI-FOCAL -DEGENERATION, CYSTIC, CORTICAL,-MODERATE, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL
	LUNG (LU) : -UNCOLLAPSED; ALL LOBES	LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL
		HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL
		MUSCLE, SKELETAL (SM) : -DEGENERATION/NECROSIS,-MODERATE, MULTI-FOCAL
	PITUITARY (PI) : -LARGE; 4 X 4 X 3 MM; APPEARS SWOLLEN	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91042 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/06/99 STUDY DAY OF DEATH: 650 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/06/99 13:59 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE BLACK AREAS, UP TO 2 X 1 MM	STOMACH, GL (ST) : >UNREMARKABLE
		CAUSE OF DEATH (CD) : -UNDETERMINED,-PRESENT
	MAMMARY, MALE (MM) : -CYST(S); BILATERAL PECTORAL REGIONS: MULTIPLE TAN, CREAMY SEMIFLUID FILLED CYSTS, UP TO 3 X 2 MM (CAP 22)	MAMMARY, MALE (MM) : -GALACTOCELE,-MODERATE, MULTI-FOCAL
	FOOT/FOOTPAD(S) (FP) : -CRUSTED AREA(S); LEFT HINDFOOT: SINGLE DRY, TAN CRUSTED AREA, 2 X 1 MM; COLLECTED	FOOT/FOOTPAD(S) (FP) : -EDEMA,-MODERATE, FOCAL -EROSION,-MODERATE, FOCAL -INFLAMMATION, ACUTE,-MODERATE, FOCAL -PIGMENT,-MINIMAL, MULTI-FOCAL
	GENERAL COMMENT (GC) : -STAINS - SKIN/HAIRCOAT; ALL REGIONS, DIFFUSE: DRY, RED MATERIAL	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91042 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/06/99 STUDY DAY OF DEATH: 650 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/06/99 13:59 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91043 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/07/99 STUDY DAY OF DEATH: 590 STUDY WEEK OF DEATH: 85 TERMINAL BODY WEIGHT: 940.8 GRAMS
DATE AND TIME OF NECROPSY: 09/07/99 13:47 PROSECTOR: TONY HANFELD RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); INGUINAL REGION-RIGHT; WEEK 75; 80 X 80MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -DEGENERATION, CYSTIC,-MINIMAL, FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, MULTI-FOCAL
	MUSCLE, SKELETAL (SM) : -MASS(ES); INVOLVING ENTIRE RIGHT LEG: SINGLE MASS, 80 MM IN DIAMETER, RED, DARK RED, TAN AND FIRM; SAME ON CUT SURFACE; PORTION COLLECTED INTACT WITH LEG; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MUSCLE, SKELETAL (SM) : -CYST,-PRESENT
		PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT PROSTATE (PR) : -INFLAMMATION, CHRONIC,-SLIGHT, MULTI-FOCAL CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91043 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/07/99 STUDY DAY OF DEATH: 590 STUDY WEEK OF DEATH: 85 TERMINAL BODY WEIGHT: 940.8 GRAMS
DATE AND TIME OF NECROPSY: 09/07/99 13:47 PROSECTOR: TONY HANFELD RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL OBESE	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91044 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/13/99 STUDY DAY OF DEATH: 443 STUDY WEEK OF DEATH: 64 TERMINAL BODY WEIGHT: 368.5 GRAMS
DATE AND TIME OF NECROPSY: 04/13/99 11:38 PROSECTOR: STEVE VAN ADESTINE RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) :	-DILATATION, VENTRICULAR,-PRESENT
>APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE	-DIFFUSELY DARK; ALL LOBES: DARK BROWN	LIVER (LI) :
		-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
		KIDNEY (KD) :
		-MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
	TESTIS (TE) :	TESTIS (TE) :
	-SMALL; BILATERAL: EACH IS 17 X 12 X 5 MM; BOTH ARE SOFT	-ATROPHY/DEGENERATION,-SEVERE, DIFFUSE
		THYMUS (TH) :
		-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
		LUNG (LU) :
		-MINERALIZATION, VASCULAR,-MINIMAL, FOCAL
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 10 X 8 X 6 MM, DARK RED, BROWN, TAN, AND SOFT	-HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
		STOMACH, GL (ST) :
		>UNREMARKABLE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: SINGLE DARK BROWN AREA, 2 X 1 MM	
	STOMACH, NONGL (SU) : -DARK FOCUS(I)/AREA(S); MUCOSA: SINGLE BROWN, SLIGHTLY RAISED AREA, 1 MM IN DIAMETER	STOMACH, NONGL (SU) : >UNREMARKABLE
		PROSTATE (PR) : -MINERALIZATION, LUMINAL,-MODERATE, MULTI-FOCAL
	SEMINAL VESICLES (SV) : -SMALL; BILATERAL: EACH IS UP TO 12 X 4 X 2 MM	SEMINAL VESICLES (SV) : >UNREMARKABLE
	EPIDIDYMIDES (EP) : -SMALL; BILATERAL: EACH IS 35 X 10 X 3 MM; BOTH ARE SOFT	EPIDIDYMIDES (EP) : -HYPOSPERMIA,-PRESENT
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
		MAMMARY, MALE (MM) : -PIGMENT,-SLIGHT, MULTI-FOCAL >NOTE:>MAMMARY GLAND WAS PRESENT ON SKIN SECTION
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; RIGHT: DARK RED, DRY, CRUSTED MATERIAL -DISCHARGE-NASAL; RED, DRY MATERIAL -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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DATE AND TIME OF NECROPSY: 04/13/99 11:38 PROSECTOR: STEVE VAN ADESTINE RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91045 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/13/99 STUDY DAY OF DEATH: 353 STUDY WEEK OF DEATH: 51 TERMINAL BODY WEIGHT: 535.8 GRAMS
DATE AND TIME OF NECROPSY: 01/13/99 9:30 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL
>SKIN & PELAGE; BROWN HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: NOT OBSERVED		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		THYMUS (TH) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL
		HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL
	PITUITARY (PI) : -MASS(ES); 11 X 8 X 8 MM, RED, DARK RED, TAN AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE BROWN AREAS, UP TO 5 X 1 MM	STOMACH, GL (ST) : >UNREMARKABLE
		PROSTATE (PR) : -INFLAMMATION, ACUTE,-SLIGHT, MULTI-FOCAL
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91045 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY MATERIAL -STAINS - SKIN/HAIRCOAT; ENTIRE VENTRAL SURFACE: DARK RED AND DRY MATERIAL	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91046 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/10/98 STUDY DAY OF DEATH: 44 STUDY WEEK OF DEATH: 7 TERMINAL BODY WEIGHT: 358.1 GRAMS
DATE AND TIME OF NECROPSY: 03/10/98 8:05 PROSECTOR: TROY ELLENBECKER RECORDER: TROY ELLENBECKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>RESPIRATION; IRREGULAR; VERIFIED AT NECROPSY: NOT APPLICABLE >EYES; RED DISCHARGE; EYE-LEFT; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN AREAS, UP TO 7 X 2 MM; COLLECTED ON ROUTINE SECTIONS THYMUS (TH) : -RED FOCUS(I)/AREA(S); DIFFUSE: MULTIPLE DARK RED AREAS, UP TO 2 X 1 MM LUNG (LU) : -DIFFUSELY RED; ALL LOBES: DARK RED LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: DARK RED; COLLECTED GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; DRY BROWN MATERIAL -BLOOD FILM TAKEN -DISCHARGE-OCULAR; LEFT: DRY RED MATERIAL	LIVER (LI) : -HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR,-MODERATE, DIFFUSE -NECROSIS, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL THYMUS (TH) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL LUNG (LU) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -HYPERPLASIA, TYPE II PNEUMOCYTE,-SLIGHT, MULTI-FOCAL CAUSE OF DEATH (CD) : -HEPATIC NECROSIS,-PRESENT LN, MANDIBULAR (MN) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 03/10/98 8:05 PROSECTOR: TROY ELLENBECKER RECORDER: TROY ELLENBECKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91047 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 677.5 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 11:45 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-MALOCCLUSION; BILATERAL UPPER INCISORS
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

LIVER (LI) :
-DEGENERATION, CYSTIC,-SLIGHT, FOCAL
KIDNEY (KD) :
-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
PANCREAS (PA) :
-ATROPHY, ACINAR,-MINIMAL, FOCAL
LUNG (LU) :
-INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL, FOCAL
THYROID (TY) :
-HYPERPLASIA, C-CELL,-MODERATE, FOCAL
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91047 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 677.5 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 11:45 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), URINARY BLADDER (UB)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91048 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/02/99 STUDY DAY OF DEATH: 554 STUDY WEEK OF DEATH: 80 TERMINAL BODY WEIGHT: 490.5 GRAMS
DATE AND TIME OF NECROPSY: 08/02/99 13:59 PROSECTOR: DENNIS HOFFMAN RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; BROWN HAIR COAT; GENERALIZED; VERIFIED AT NECROPSY: OBSERVED >EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE >BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE >EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) PITUITARY (PI) : -MASS(ES); SINGLE MASS, 5 X 6 X 8 MM, SOFT, RED, DARK RED, AND TAN	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT LIVER (LI) : -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL -VACUOLATION, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL KIDNEY (KD) : -INFARCT,-MINIMAL, FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL -PYELONEPHRITIS,-MODERATE, MULTI-FOCAL PANCREAS (PA) : -PIGMENT,-MINIMAL, MULTI-FOCAL ADRENAL, CORTEX (AC) : -VACUOLATION,-MINIMAL, FOCAL THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT PITUITARY (PI) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT STOMACH, GL (ST) : >UNREMARKABLE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE BROWN FOCI, PINPOINT AND UP TO 1 MM IN DIAMETER	
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: MULTIPLE TAN ERODED AREAS, UP TO 1 X 2 MM -THICKENED WALL; DIFFUSE	STOMACH, NONGL (SU) : -EDEMA,-MODERATE, FOCAL -INFLAMMATION, ACUTE,-MINIMAL, MULTI-FOCAL PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-NASAL; DRY BROWN MATERIAL -STAINS - SKIN/HAIRCOAT; ENTIRE VENTRAL SURFACE: DRY BROWN MATERIAL -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 08/02/99 13:59 PROSECTOR: DENNIS HOFFMAN RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91049 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/16/98 STUDY DAY OF DEATH: 295 STUDY WEEK OF DEATH: 43 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/16/98 12:27 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
>APPEARANCE; SWOLLEN; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED		ADRENAL, CORTEX (AC) : -VACUOLATION,-MINIMAL, MULTI-FOCAL
>RESPIRATION; IRREGULAR; VERIFIED AT NECROPSY: NOT APPLICABLE		ADRENAL, MEDULLA (MA) : -VACUOLATION,-MINIMAL, MULTI-FOCAL
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE		LN, MESENTERIC (MS) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: NOT OBSERVED		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC,-MODERATELY SEVERE, DIFFUSE
>DISCHARGE; NASAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE, MULTI-FOCAL
>BEHAVIOR; RECUMBENT; LATERAL; VERIFIED AT NECROPSY: NOT APPLICABLE		CAUSE OF DEATH (CD) : -NECROSIS, ANAL MUSCULATURE,-PRESENT
	CAVITY, ABDOM (PC) : -MASS(ES); ATTACHED TO ADIPOSE TISSUE NEAR LEFT TESTIS: SINGLE MASS, 15 X 7 X 4 MM, RED, TAN, AND SOFT; SAME ON CUT SURFACE (CAP 22); REGIONAL LN (LUMBAR) NORMAL (CAP 21)	CAVITY, ABDOM (PC) : -NECROSIS, FAT,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	ANUS (AN) : -MASS(ES); WITHIN LUMEN: SINGLE MASS, 12 MM IN DIAMETER, RED, GRAY, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT WITH RECTUM; REGIONAL LN (LUMBAR) NORMAL (CAP 21) GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; BROWN AND DRY -DISCHARGE-NASAL; DARK RED AND DRY MATERIAL -GI TRACT-LARGE LUMEN; JEJUNUM TO ANUS: UP TO 40 MM IN DIAMETER -GI TRACT-DARK DRY CONTENT; RECTUM TO ANUS: DARK GREEN AND IMPACTED MATERIAL	ANUS (AN) : -NECROSIS, MUSCULAR,-MODERATELY SEVERE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN), LN, LUMBAR/ILIAC (LM)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91050 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/14/00 STUDY DAY OF DEATH: 719 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/14/00 15:56 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED >WART LIKE LESION(S); DORSAL; WEEK 95; VERIFIED AT NECROPSY: OBSERVED	KIDNEY (KD) : -LARGE PELVIS(ES); BILATERAL -CALCULUS(I); BILATERAL, WITHIN PELVIS: MULTIPLE TAN AND FIRM CALCULI, UP TO 10 MM IN DIAMETER	EYE (EY) : -INFLAMMATION, ACUTE, CORNEAL,-SLIGHT, FOCAL -VASCULARIZATION, CORNEAL,-SLIGHT, FOCAL LIVER (LI) : -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -DILATATION, PELVIC,-PRESENT -MINERALIZATION, PELVIC,-SEVERE, MULTI-FOCAL -NECROSIS, PAPILLARY,-MODERATELY SEVERE, MULTI-FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT, MULTI-FOCAL -PYELONEPHRITIS,-MODERATELY SEVERE, MULTI-FOCAL PANCREAS (PA) : -ATROPHY, ACINAR,-MINIMAL, MULTI-FOCAL -INFLAMMATION, VASCULAR,-MODERATE, MULTI-FOCAL LUNG (LU) : -EDEMA, ALVEOLAR,-MODERATE, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91050 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/14/00 STUDY DAY OF DEATH: 719 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/14/00 15:56 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL THYROID (TY) : -INFLAMMATION, VASCULAR,-MODERATE, FOCAL PARATHYROID (PT) : -HYPERPLASIA,-SLIGHT, DIFFUSE STOMACH, GL (ST) : -EDEMA,-MODERATE, FOCAL
	SKIN (SK) : -CRUSTED AREA(S); MID DORSAL THORACIC REGION: SINGLE TAN AND RAISED AREA, 7 X 6 X 4 MM (CAP 22)	SKIN (SK) : -B-PAPILLOMA, SQUAMOUS CELL,-NEOPLASM PRESENT
	URINARY BLADDER (UB) : -CALCULUS(I); WITHIN LUMEN: SINGLE TAN AND FIRM CALCULUS, 6 MM IN DIAMETER -DIFFUSELY RED; DARK RED	URINARY BLADDER (UB) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE, MULTI-FOCAL SEMINAL VESICLES (SV) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE, MULTI-FOCAL CAUSE OF DEATH (CD) : -UROLITHIASIS,-PRESENT
	LN, RENAL (RL) : -LARGE; BILATERAL: EACH IS UP TO 15 X 10 X 7 MM (CAP 24)	LN, RENAL (RL) : >UNREMARKABLE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91050 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/14/00 STUDY DAY OF DEATH: 719 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/14/00 15:56 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	TAIL (TI) : -RAISED AREA(S); ALONG ENTIRE LENGTH: MULTIPLE DARK RED AREAS, UP TO 5 MM IN DIAMETER; COLLECTED URETER (UE) : -LARGE; BILATERAL: EACH IS UP TO 2 MM IN DIAMETER (CAP 25) GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; BROWN AND DRY -MALOCCLUSION; BILATERAL, UPPER INCISORS -URINARY BLADDER-LARGE LUMEN; 50 X 40 X 40 MM	TAIL (TI) : -CYST, EPIDERMAL INCLUSION,-PRESENT URETER (UE) : -DILATATION,-MODERATE, DIFFUSE -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91050 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/14/00 STUDY DAY OF DEATH: 719 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/14/00 15:56 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
BRAIN (BR), SPLEEN (SP), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91051 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/05/99 STUDY DAY OF DEATH: 618 STUDY WEEK OF DEATH: 89 TERMINAL BODY WEIGHT: 482.3 GRAMS
DATE AND TIME OF NECROPSY: 10/05/99 15:14 PROSECTOR: TONY HANFELD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAWS-HIND; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) : -DEGENERATION, CYSTIC,-SLIGHT, FOCAL -VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT, MULTI-FOCAL
>BEHAVIOR; SENSITIVE TO TOUCH; VERIFIED AT NECROPSY: NOT APPLICABLE		ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-MINIMAL, FOCAL
>SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE	TESTIS (TE) : -SMALL; BILATERAL: EACH IS 18 X 10 X 3 MM; BOTH APPEAR SOFT	TESTIS (TE) : -ATROPHY/DEGENERATION,-SEVERE, DIFFUSE
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL
		HEART (HT) : -FIBROSIS,-MINIMAL, MULTI-FOCAL
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 10 X 7 X 6 MM, RED, DARK RED, TAN, AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91051 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/05/99 STUDY DAY OF DEATH: 618 STUDY WEEK OF DEATH: 89 TERMINAL BODY WEIGHT: 482.3 GRAMS
DATE AND TIME OF NECROPSY: 10/05/99 15:14 PROSECTOR: TONY HANFELD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: SINGLE DARK RED AND TAN ERODED AREA, 10 X 3 MM -THICKENED WALL; DIFFUSE	STOMACH, NONGL (SU) : -INFLAMMATION, ACUTE,-MODERATE, MULTI-FOCAL -ULCERATION,-SEVERE, FOCAL
		PROSTATE (PR) : -INFLAMMATION, CHRONIC,-MODERATE, MULTI-FOCAL
	SEMINAL VESICLES (SV) : -SMALL; BILATERAL: EACH IS 12 X 8 X 1 MM	SEMINAL VESICLES (SV) : >UNREMARKABLE
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	FOOT/FOOTPAD(S) (FP) : -ABRASION(S)/ULCERATION(S); BILATERAL HINDFEET: SINGLE DARK RED, ABRADED AREA ON EACH, LEFT IS 5 X 3 MM, RIGHT IS 7 MM IN DIAMETER; BOTH COLLECTED	FOOT/FOOTPAD(S) (FP) : -EROSION,-MODERATELY SEVERE, FOCAL -EXOSTOSES,-MINIMAL, MULTI-FOCAL -FIBROSIS,-MODERATELY SEVERE, MULTI-FOCAL -INFLAMMATION, ACUTE,-MODERATE, MULTI-FOCAL
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; PERIANAL: BROWN AND MOIST -BLOOD FILM TAKEN -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91051 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/05/99 STUDY DAY OF DEATH: 618 STUDY WEEK OF DEATH: 89 TERMINAL BODY WEIGHT: 482.3 GRAMS
DATE AND TIME OF NECROPSY: 10/05/99 15:14 PROSECTOR: TONY HANFELD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91052 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/10/99 STUDY DAY OF DEATH: 470 STUDY WEEK OF DEATH: 68 TERMINAL BODY WEIGHT: 597.7 GRAMS
DATE AND TIME OF NECROPSY: 05/10/99 13:32 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: NOT OBSERVED		KIDNEY (KD) : -PYELONEPHRITIS,-MODERATE, FOCAL
>APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE	PITUITARY (PI) : -MASS(ES); 15 X 10 X 10 MM, RED, DARK RED, AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE, MULTI-FOCAL
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	FOOT/FOOTPAD(S) (FP) : -CRUSTED AREA(S); LEFT HIND FOOT: SINGLE RED, DRY, CRUSTED AREA, 4 X 3 MM; COLLECTED	FOOT/FOOTPAD(S) (FP) : -INFLAMMATION, CHRONIC ACTIVE,-SLIGHT, FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91052 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/10/99 STUDY DAY OF DEATH: 470 STUDY WEEK OF DEATH: 68 TERMINAL BODY WEIGHT: 597.7 GRAMS
DATE AND TIME OF NECROPSY: 05/10/99 13:32 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91053 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 08/28/99 STUDY DAY OF DEATH: 580 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 08/28/99 14:45 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: NOT OBSERVED
>HOUSING,FOOD,WATER & MAINT.; TEETH CUT; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

LIVER (LI) :
-DIFFUSELY LIGHT; ALL LOBES: TAN
KIDNEY (KD) :
-DIFFUSELY LIGHT; BILATERAL: TAN

LUNG (LU) :
-MOTTLED; ALL LOBES: RED, DARK RED, TAN AND DARK BROWN

GENERAL COMMENT (GC) :
-DISCHARGE-NASAL; MOIST BROWN MATERIAL

HISTOPATHOLOGY

LIVER (LI) :
>UNREMARKABLE
KIDNEY (KD) :
-MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL
-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT, MULTI-FOCAL
LUNG (LU) :
>UNREMARKABLE

THYROID (TY) :
-CYST, ULTIMOBRANCHIAL,-PRESENT
PITUITARY (PI) :
-HEMORRHAGE,-SLIGHT, FOCAL
-B-ADENOMA,-NEOPLASM PRESENT
HARDERIAN GLAND (HG) :
-INFLAMMATION, CHRONIC,-MINIMAL, FOCAL
JEJUNUM (JE) :
>AUTOLYTIC
CAUSE OF DEATH (CD) :
-UNDETERMINED,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91053 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 08/28/99 STUDY DAY OF DEATH: 580 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 08/28/99 14:45 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91054 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 1042.9 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 11:47 PROSECTOR: TERRI L. WILLIAMS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-RIGHT; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>SKIN & PELAGE; SORE/SCAB; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) :	LIVER (LI) :
	-MOTTLED; ALL LOBES: RED AND BROWN	-FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MODERATE, FOCAL
		-VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL
		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT, MULTI-FOCAL
	ADRENAL, CORTEX (AC) :	ADRENAL, CORTEX (AC) :
	-RAISED AREA(S); RIGHT, CORTICAL SURFACE: SINGLE DARK RED AREA, 2 MM IN DIAMETER	>TISSUE MISSING
		>NOTE:>ADRENAL CORTICAL MASS DESCRIBED GROSSLY WAS A MALIGNANT PHEOCHROMOCYTOMA OF THE ADRENAL MEDULLA
		ADRENAL, MEDULLA (MA) :
		-M-MALIGNANT PHEOCHROMOCYTOMA,-NEOPLASM PRESENT
		THYROID (TY) :
		-CYST, FOLLICULAR,-MINIMAL, MULTI-FOCAL
		-CYST, ULTIMOBRANCHIAL,-PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 7 X 5 X 3 MM, RED, TAN AND SOFT	-HEMORRHAGE,-MODERATE, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	SKIN (SK) : -CRUSTED AREA(S); VENTRAL ABDOMINAL REGION EXTENDING TO LEFT LATERAL LUMBAR REGIONS: MULTIPLE RED AND TAN CRUSTED AREAS, UP TO 20 X 20 MM (CAP 22)	SKIN (SK) : -ACUTE INFLAMMATORY EXUDATE,-SLIGHT, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -ULCERATION,-MINIMAL, MULTI-FOCAL
	PROSTATE (PR) : -NODULAR; PROXIMAL, SURROUNDING URETHRA: GREEN AND FIRM	PROSTATE (PR) : -INFLAMMATION, CHRONIC,-SLIGHT, MULTI-FOCAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	MAMMARY, MALE (MM) : -CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE TAN, CREAMY SEMIFLUID FILLED CYSTS, UP TO 4 MM IN DIAMETER (CAP 23)	MAMMARY, MALE (MM) : -GALACTOCELE,-MODERATE, MULTI-FOCAL -MINERALIZATION,-MINIMAL, MULTI-FOCAL
	FOOT/FOOTPAD(S) (FP) : -CRUSTED AREA(S); RIGHT HINDFOOT: SINGLE RED, BROWN AND RAISED AREA, 10 X 7 X 4 MM; COLLECTED	FOOT/FOOTPAD(S) (FP) : -EROSION,-MODERATELY SEVERE, MULTI-FOCAL -FIBROSIS,-MODERATE, MULTI-FOCAL -INFLAMMATION, ACUTE,-MODERATELY SEVERE, MULTI-FOCAL -PIGMENT,-SLIGHT, FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -ANIMAL OBESE	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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ANIMAL NUMBER: C91054 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 1042.9 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 11:47 PROSECTOR: TERRI L. WILLIAMS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), TESTIS (TE), LUNG (LU), URINARY BLADDER (UB)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91055 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 08/17/99 STUDY DAY OF DEATH: 569 STUDY WEEK OF DEATH: 82 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 08/17/99 14:19 PROSECTOR: DAVID SCHUETTE RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: NOT OBSERVED
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT OBSERVED
>SKIN & PELAGE; BROWN HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; BROWN HAIR COAT; PERINEAL AREA; VERIFIED AT NECROPSY: OBSERVED
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; RECUMBENT; STERNAL; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

LIVER (LI) :
-LIGHT FOCUS(I)/AREA(S); LEFT LATERAL LOBE, NEAR MARGIN: MULTIPLE TAN AREAS, UP TO 1 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION
-ROUGH SURFACE, DIFFUSE; ALL LOBES
KIDNEY (KD) :
-LARGE PELVIS(ES); BILATERAL

HISTOPATHOLOGY

BRAIN (BR) :
-HEMORRHAGE,-MODERATE, MULTI-FOCAL
-NECROSIS, GRAY MATTER,-MODERATE, MULTI-FOCAL
-X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
LIVER (LI) :
-HEMORRHAGE,-MODERATE, MULTI-FOCAL
-NECROSIS, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL
-X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
KIDNEY (KD) :
-DILATATION, PELVIC,-PRESENT
-MINERALIZATION, TUBULAR,-SLIGHT, MULTI-FOCAL
SPLEEN (SP) :
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATELY SEVERE, DIFFUSE
ADRENAL, CORTEX (AC) :
-NECROSIS, CORTICAL,-SLIGHT, FOCAL
-VACUOLATION,-MODERATE, FOCAL
SPINAL CORD (SC) :
-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
-NECROSIS,-SLIGHT, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE OF DEATH: 08/17/99 STUDY DAY OF DEATH: 569 STUDY WEEK OF DEATH: 82 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 08/17/99 14:19 PROSECTOR: DAVID SCHUETTE RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LUNG (LU) : -LIGHT FOCUS(I)/AREA(S); DORSAL SURFACE OF RIGHT CAUDAL LOBE: MULTIPLE TAN AREAS, UP TO 3 MM IN DIAMETER	LUNG (LU) : >UNREMARKABLE
		PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN AREAS, UP TO 3 X 1 MM	STOMACH, GL (ST) : -EROSION,-SLIGHT, FOCAL
		STOMACH, NONGL (SU) : -EDEMA,-MODERATE, MULTI-FOCAL -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL -ULCERATION,-MODERATE, FOCAL
		CECUM (CE) : -HEMORRHAGE,-SLIGHT, FOCAL
	URINARY BLADDER (UB) : -DIFFUSELY RED; DARK RED	URINARY BLADDER (UB) : -HEMORRHAGE,-SEVERE, MULTI-FOCAL -INFLAMMATION, ACUTE,-MODERATE, MULTI-FOCAL -ULCERATION,-SEVERE, MULTI-FOCAL
	PROSTATE (PR) : -MOTTLED; DARK RED, BROWN AND TAN	PROSTATE (PR) : -INFLAMMATION, ACUTE,-MODERATE, MULTI-FOCAL
	SEMINAL VESICLES (SV) : -MOTTLED; BROWN AND TAN	SEMINAL VESICLES (SV) : >UNREMARKABLE
		CAUSE OF DEATH (CD) : -MALIGNANT LYMPHOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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DATE AND TIME OF NECROPSY: 08/17/99 14:19 PROSECTOR: DAVID SCHUETTE RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		HEMATO NEOPLASIA (HN) : -M-LYMPHOMA,-NEOPLASM PRESENT
	GENERAL COMMENT (GC) : -DISCHARGE-ORAL; MOIST YELLOW MATERIAL -STAINS - SKIN/HAIRCOAT; VENTRAL ABDOMEN EXTENDING TO PERIANAL REGION: DRY AND BROWN MATERIAL -ANIMAL OBESE -URINARY BLADDER-LARGE LUMEN; 40 X 25 X 10 MM; FILLED WITH A DARK RED FLUID	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE OF DEATH: 08/17/99 STUDY DAY OF DEATH: 569 STUDY WEEK OF DEATH: 82 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 08/17/99 14:19 PROSECTOR: DAVID SCHUETTE RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), COLON (CO), RECTUM (RE), SKIN (SK), EPIDIDYMIDES (EP)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91056 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 728.9 GRAMS
DATE AND TIME OF NECROPSY: 10/27/00 10:07 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED >MASS(ES); HEAD; WEEK 102; 50 X 40MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, FOCAL TESTIS (TE) : -MINERALIZATION, VASCULAR,-MINIMAL, MULTI-FOCAL LUNG (LU) : -FIBROSIS, PLEURAL/SUBPLEURAL,-MODERATE, FOCAL THYROID (TY) : -B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT URINARY BLADDER (UB) : -CALCULUS,-PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: DARK RED -LARGE; RIGHT: 12 X 6 X 5 MM (LEFT IS 5 X 3 X 2 MM); COLLECTED AUDITORY SEB GL (AS) : -MASS(ES); RIGHT: SINGLE MASS, 45 X 40 X 40 MM, RED, DARK RED, TAN, LOBULATED, AND FIRM; ON SECTION EXUDES A LIGHT GREEN SEMISOLID; COLLECTED; REGIONAL LN (SEE MANDIBULAR)	LN, MANDIBULAR (MN) : -DILATATION, SINUSOIDAL,-MODERATE, FOCAL -HEMORRHAGE,-MINIMAL, MULTI-FOCAL AUDITORY SEB GL (AS) : -INFLAMMATION, ACUTE,-MODERATE, MULTI-FOCAL -M-CARCINOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-MALOCCLUSION; RIGHT UPPER INCISOR
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LIVER (LI), PANCREAS (PA)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91057 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 06/19/99 STUDY DAY OF DEATH: 510 STUDY WEEK OF DEATH: 73 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 06/19/99 7:16 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -HEMORRHAGE,-MODERATE, MULTI-FOCAL LIVER (LI) : -HYPERPLASIA, BILE DUCT,-SLIGHT, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
	KIDNEY (KD) : -EROSION(S)/ULCERATION(S); RIGHT, CORTICAL SURFACE: SINGLE TAN AND RED ERODED AREA, 10 X 8 MM	KIDNEY (KD) : -MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL -PYELONEPHRITIS,-MINIMAL, FOCAL -B-LIPOMA,-NEOPLASM PRESENT TESTIS (TE) : -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL SPINAL CORD (SC) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL THYROID (TY) : -HYPERPLASIA, FOLLICULAR CELL,-MINIMAL, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91057 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 06/19/99 STUDY DAY OF DEATH: 510 STUDY WEEK OF DEATH: 73 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 06/19/99 7:16 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 10 X 5 X 5 MM, DARK RED, TAN, AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -PIGMENT,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		JEJUNUM (JE) : >AUTOLYTIC
	SEMINAL VESICLES (SV) : -SMALL; BILATERAL: EACH IS 13 X 6 X 2 MM	SEMINAL VESICLES (SV) : >UNREMARKABLE
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91057 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 06/19/99 STUDY DAY OF DEATH: 510 STUDY WEEK OF DEATH: 73 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 06/19/99 7:16 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91058 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/23/99 STUDY DAY OF DEATH: 575 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: 737.0 GRAMS
DATE AND TIME OF NECROPSY: 08/23/99 12:09 PROSECTOR: TONY HANFELD RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MODERATE, FOCAL -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -VACUOLATION, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL
>APPEARANCE; SWOLLEN; MOUTH; VERIFIED AT NECROPSY: NOT OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
>WART LIKE LESION(S); MOUTH; WEEK 83; VERIFIED AT NECROPSY: OBSERVED	PITUITARY (PI) : -LARGE; 6 X 4 X 3 MM; APPEARS SWOLLEN	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	SKIN (SK) : -MASS(ES); LEFT UPPER LIP: SINGLE TAN AND FIRM WART-LIKE MASS, 2 MM IN DIAMETER (CAP 21); REGIONAL LN (MANDIBULAR) NORMAL (CAP 22)	SKIN (SK) : -B-PAPILLOMA, SQUAMOUS CELL,-NEOPLASM PRESENT
	PROSTATE (PR) : -NODULAR; PROXIMAL, SURROUNDING URETHRA: GREEN AND FIRM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE, MULTI-FOCAL
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
		LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOCYTIC,-SLIGHT, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91058 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/23/99 STUDY DAY OF DEATH: 575 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: 737.0 GRAMS
DATE AND TIME OF NECROPSY: 08/23/99 12:09 PROSECTOR: TONY HANFELD RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-MALOCCLUSION; BILATERAL, UPPER INCISORS

HISTOPATHOLOGY

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91059 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/24/99 STUDY DAY OF DEATH: 576 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: 526.6 GRAMS
DATE AND TIME OF NECROPSY: 08/24/99 14:07 PROSECTOR: TONY HANFELD RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>SKIN & PELAGE; BROWN HAIR COAT; GENERALIZED; VERIFIED AT NECROPSY: OBSERVED		-DILATATION, VENTRICULAR,-PRESENT
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) :
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE		-DEGENERATION, CYSTIC,-SLIGHT, FOCAL
		-VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL
		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT, MULTI-FOCAL
		LUNG (LU) :
		-INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL, FOCAL
		THYROID (TY) :
		-B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); SINGLE MASS, 12 X 7 X 6 MM, RED, DARK RED, TAN, SOFT, AND LOBULATED	-HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, NONGL (SU) :	STOMACH, NONGL (SU) :
	-EROSION/ULCERATION; MUCOSA: MULTIPLE DARK BROWN ERODED AREAS, UP TO 3 X 2 MM	-EDEMA,-SEVERE, MULTI-FOCAL
		-INFLAMMATION, CHRONIC-ACTIVE,-MODERATE, MULTI-FOCAL
	-THICKENED WALL; DIFFUSE	-ULCERATION,-SEVERE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 08/24/99 14:07 PROSECTOR: TONY HANFELD RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,- MODERATE, MULTI-FOCAL CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -STAINS - SKIN/HAIRCOAT; ENTIRE VENTRAL SURFACE: BROWN AND MOIST	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91059 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
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DATE AND TIME OF NECROPSY: 08/24/99 14:07 PROSECTOR: TONY HANFELD RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91060 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 809.2 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 12:49 PROSECTOR: JAMES T. CALLEN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EYES; RED DISCHARGE; EYE-RIGHT; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -INFARCT,-MINIMAL, FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL, FOCAL -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; RIGHT: DRY RED MATERIAL -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91060 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 809.2 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 12:49 PROSECTOR: JAMES T. CALLEN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LIVER (LI), PANCREAS (PA), TESTIS (TE), THYROID (TY), URINARY BLADDER (UB)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91061 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/14/99 STUDY DAY OF DEATH: 627 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/14/99 8:06 PROSECTOR: JARED FISHEL RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 87; 40 X 50; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -DEGENERATION, CYSTIC,-MODERATE, MULTI-FOCAL KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE, MULTI-FOCAL
	LUNG (LU) : -RED FOCUS(I)/AREA(S); ALONG MARGINS OF ALL LOBES: MULTIPLE DARK RED AND NODULAR AREAS, UP TO 20 X 5 MM	LUNG (LU) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -HYPERPLASIA, TYPE II PNEUMOCYTE,-MINIMAL, MULTI-FOCAL -INFLAMMATION, ACUTE,-MINIMAL, MULTI-FOCAL -INFILTRATE, MACROPHAGE, PIGMENTED,-MODERATE, MULTI-FOCAL SKIN (SK) : -HEMORRHAGE,-SEVERE, MULTI-FOCAL -B-HEMANGIOMA,-NEOPLASM PRESENT CAUSE OF DEATH (CD) : -HEMANGIOMA,-PRESENT MAMMARY, MALE (MM) : -PIGMENT,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91061 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/14/99 STUDY DAY OF DEATH: 627 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/14/99 8:06 PROSECTOR: JARED FISHEL RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, MALE (MM) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 60 X 50 X 35 MM, RED, DARK RED, BROWN AND SOFT; SOME SECTIONS EXUDE A DARK RED FLUID; COLLECTED; REGIONAL LN (AXILLARY) NOT IDENTIFIED	
	TAIL (TI) : -DIFFUSELY DARK; INVOLVING ENTIRE TIP: BLACK; OVERLYING SKIN IS DRY, FIRM, CRUSTED AND RIGID; COLLECTED	TAIL (TI) : -NECROSIS,-SEVERE, DIFFUSE
	GENERAL COMMENT (GC) : -FLUID-THORACIC CAVITY; LARGE AMOUNT OF DARK RED FLUID	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91061 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/14/99 STUDY DAY OF DEATH: 627 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/14/99 8:06 PROSECTOR: JARED FISHEL RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91062 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/01/99 STUDY DAY OF DEATH: 645 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 332.6 GRAMS
DATE AND TIME OF NECROPSY: 11/01/99 11:20 PROSECTOR: CHANESTA ACKER RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; BROWN HAIR COAT; PERINEAL AREA; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

LIVER (LI) :
-LIGHT FOCUS(I)/AREA(S); VISCERAL SURFACE OF LEFT LATERAL LOBE: SINGLE TAN FOCUS, 2 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION

TESTIS (TE) :
-SMALL; BILATERAL: EACH IS 16 X 9 X 5 MM; BOTH APPEAR SOFT

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
-DILATATION, VENTRICULAR,-PRESENT

LIVER (LI) :
-FIBROSIS,-MODERATE, FOCAL
-HEMORRHAGE,-MODERATE, FOCAL

KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL

ADRENAL, MEDULLA (MA) :
-B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT

TESTIS (TE) :
-MINERALIZATION, VASCULAR,-MINIMAL, MULTI-FOCAL

LUNG (LU) :
-INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL, FOCAL

THYROID (TY) :
-CYST, FOLLICULAR,-MODERATE, FOCAL
-CYST, ULTIMOBRANCHIAL,-PRESENT
-HEMORRHAGE,-SLIGHT, FOCAL
-HYPERPLASIA, C-CELL,-MODERATELY SEVERE, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 12 X 8 X 7 MM, RED, DARK RED, TAN AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -PIGMENT,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	PROSTATE (PR) : -SMALL; 9 X 8 X 5 MM	PROSTATE (PR) : -INFLAMMATION, CHRONIC,-SLIGHT, MULTI-FOCAL
	SEMINAL VESICLES (SV) : -SMALL; BILATERAL: EACH IS 12 X 9 X 2 MM	SEMINAL VESICLES (SV) : >UNREMARKABLE
		EPIDIDYMIDES (EP) : -HYPOSPERMIA,-PRESENT
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
		LN, MEDIASTINAL (ML) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL, MULTI-FOCAL
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; PERINEUM: BROWN, MOIST MATERIAL -BLOOD FILM TAKEN -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE OF DEATH: 11/01/99 STUDY DAY OF DEATH: 645 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 332.6 GRAMS
DATE AND TIME OF NECROPSY: 11/01/99 11:20 PROSECTOR: CHANESTA ACKER RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91063 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/23/99 STUDY DAY OF DEATH: 697 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: 324.1 GRAMS
DATE AND TIME OF NECROPSY: 12/23/99 8:35 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-SLIGHT, FOCAL -VACUOLATION,-MODERATE, FOCAL
>SKIN & PELAGE; BROWN HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED		
>EYES; PALE; EYES; VERIFIED AT NECROPSY: NOT APPLICABLE	TESTIS (TE) : -SMALL; LEFT: 17 X 9 X 4 MM (RIGHT IS 20 X 13 X 10 MM); LEFT IS SOFT	TESTIS (TE) : -ATROPHY/DEGENERATION,-SEVERE, DIFFUSE -GRANULOMA, SPERM,-MODERATE, MULTI-FOCAL -MINERALIZATION,-MODERATE, MULTI-FOCAL >NOTE:>LEFT TESTIS
	LUNG (LU) : -LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN AREAS, UP TO 3 MM IN DIAMETER	LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT, MULTI-FOCAL
	PITUITARY (PI) : -MASS(ES); 15 X 13 X 10 MM, DARK RED, RED, TAN, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		PROSTATE (PR) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL -MINERALIZATION, LUMINAL,-SLIGHT, MULTI-FOCAL

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	SEMINAL VESICLES (SV) : -SMALL; BILATERAL: EACH IS 15 X 8 X 3 MM	SEMINAL VESICLES (SV) : >UNREMARKABLE
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY -STAINS - SKIN/HAIRCOAT; VENTRAL ABDOMINAL REGION: BROWN AND DRY -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 12/23/99 8:35 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91064 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/05/99 STUDY DAY OF DEATH: 679 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/05/99 14:14 PROSECTOR: DONIA MEYER RECORDER: DONIA MEYER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 15 X 7 MM; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-MINIMAL, FOCAL KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MINIMAL, FOCAL LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, MULTI-FOCAL HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL -FIBROSIS,-MINIMAL, MULTI-FOCAL THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PARATHYROID (PT) : -LARGE; RIGHT: 2 MM IN DIAMETER (FOR COMPARISON, LEFT IS 1 MM IN DIAMETER)	PARATHYROID (PT) : >UNREMARKABLE
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); RIGHT ASPECT: SINGLE DARK RED AREA, 3 X 2 MM	PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 12/05/99 14:14 PROSECTOR: DONIA MEYER RECORDER: DONIA MEYER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PROSTATE (PR) : -INFLAMMATION, CHRONIC,-SLIGHT, MULTI-FOCAL CAUSE OF DEATH (CD) : -UNDETERMINED,-PRESENT

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91065 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 719.2 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 10:32 PROSECTOR: JAMES T. CALLEN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 2 X 1 MM; COLLECTED ON ROUTINE SECTIONS PITUITARY (PI) : -MASS(ES); 8 X 6 X 6 MM, DARK RED, TAN, AND FIRM GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL, LOWER INCISORS	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT, MULTI-FOCAL PANCREAS (PA) : -ATROPHY, ACINAR,-SLIGHT, FOCAL -PIGMENT,-MINIMAL, MULTI-FOCAL THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT URINARY BLADDER (UB) : -CALCULUS,-PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91065 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 719.2 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 10:32 PROSECTOR: JAMES T. CALLEN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), LUNG (LU)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91066 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/15/99 STUDY DAY OF DEATH: 598 STUDY WEEK OF DEATH: 86 TERMINAL BODY WEIGHT: 404.3 GRAMS
DATE AND TIME OF NECROPSY: 09/15/99 14:43 PROSECTOR: GREGORY CODDINGTON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; SENSITIVE TO TOUCH; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; COLD TO TOUCH; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

PITUITARY (PI) :
-MASS(ES); 14 X 10 X 8 MM, RED, DARK RED, TAN AND SOFT

PROSTATE (PR) :
-NODULAR; PROXIMAL, SURROUNDING URETHRA: GREEN AND FIRM

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
-DILATATION, VENTRICULAR,-PRESENT
-HEMORRHAGE,-MODERATE, FOCAL
-PIGMENT,-SLIGHT, FOCAL
LIVER (LI) :
-HEMORRHAGE,-MINIMAL, FOCAL
-NECROSIS, HEPATOCELLULAR,-MODERATE, FOCAL
KIDNEY (KD) :
-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
PANCREAS (PA) :
-PIGMENT,-MINIMAL, MULTI-FOCAL
PITUITARY (PI) :
-HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL
-PIGMENT,-MINIMAL, MULTI-FOCAL
-B-ADENOMA,-NEOPLASM PRESENT
PROSTATE (PR) :
>UNREMARKABLE

CAUSE OF DEATH (CD) :
-PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91066 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/15/99 STUDY DAY OF DEATH: 598 STUDY WEEK OF DEATH: 86 TERMINAL BODY WEIGHT: 404.3 GRAMS
DATE AND TIME OF NECROPSY: 09/15/99 14:43 PROSECTOR: GREGORY CODDINGTON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	TAIL (TI) : -CRUSTED AREA(S); ENTIRE LENGTH OF TAIL: MULTIPLE TAN, BROWN, AND SLIGHTLY RAISED AREAS, UP TO 3 MM IN DIAMETER; COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN	TAIL (TI) : -EROSION,-MODERATELY SEVERE, FOCAL -INFLAMMATION, ACUTE,-MODERATELY SEVERE, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91066 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/15/99 STUDY DAY OF DEATH: 598 STUDY WEEK OF DEATH: 86 TERMINAL BODY WEIGHT: 404.3 GRAMS
DATE AND TIME OF NECROPSY: 09/15/99 14:43 PROSECTOR: GREGORY CODDINGTON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91067 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/22/99 STUDY DAY OF DEATH: 696 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/22/99 8:48 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL -FIBROSIS,-MINIMAL, MULTI-FOCAL MUSCLE, SKELETAL (SM) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL
	PITUITARY (PI) : -MASS(ES); 13 X 12 X 8 MM, RED, DARK RED, TAN, AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT JEJUNUM (JE) : >AUTOLYTIC PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL, MULTI-FOCAL
	SEMINAL VESICLES (SV) : -SMALL; BILATERAL: EACH IS 20 X 10 X 3 MM	SEMINAL VESICLES (SV) : >UNREMARKABLE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91067 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/22/99 STUDY DAY OF DEATH: 696 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/22/99 8:48 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-PITUITARY ADENOMA,-PRESENT

GENERAL COMMENT (GC) :
-ANIMAL OBESE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91068 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/13/98 STUDY DAY OF DEATH: 78 STUDY WEEK OF DEATH: 12 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/13/98 15:01 PROSECTOR: WENDY CHERRY RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; THIN; VERIFIED AT
NECROPSY: OBSERVED
>APPEARANCE; HUNCHED; VERIFIED AT
NECROPSY: NOT APPLICABLE

NECROPSY

SEMINAL VESICLES (SV) :
-SMALL; BILATERAL: EACH IS 15 X 7 X 1
MM
-GELATINOUS; BILATERAL: CLEAR

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-ANIMAL THIN

HISTOPATHOLOGY

LIVER (LI) :
-HEMORRHAGE,-MODERATE, FOCAL
-HYPERTROPHY, CENTRILOBULAR,
HEPATOCELLULAR,-SLIGHT, DIFFUSE
THYMUS (TH) :
-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
SEMINAL VESICLES (SV) :
>UNREMARKABLE

CAUSE OF DEATH (CD) :
-UNDETERMINED,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91068 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/13/98 STUDY DAY OF DEATH: 78 STUDY WEEK OF DEATH: 12 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/13/98 15:01 PROSECTOR: WENDY CHERRY RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91069 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 09/02/99 STUDY DAY OF DEATH: 585 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 09/02/99 9:29 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -MINERALIZATION, PELVIC,-MODERATELY SEVERE, FOCAL HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL -FIBROSIS,-MINIMAL, MULTI-FOCAL
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); RIGHT ASPECT: SINGLE DARK RED FOCUS, 3 MM IN DIAMETER	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		SEMINAL VESICLES (SV) : -SECRETION, INCREASED,-PRESENT CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91069 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 09/02/99 STUDY DAY OF DEATH: 585 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 09/02/99 9:29 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91070 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 584.0 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 10:43 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS PITUITARY (PI) : -MASS(ES); 6 X 5 X 5 MM, DARK RED, GREY, SOFT STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: SINGLE DARK BROWN AREA, 1 MM IN DIAMETER	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -FIBROSIS,-MINIMAL, FOCAL -PIGMENT,-MINIMAL, FOCAL KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL PANCREAS (PA) : -ATROPHY, ACINAR,-SLIGHT, FOCAL THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT PITUITARY (PI) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT STOMACH, GL (ST) : -EDEMA,-MODERATE, FOCAL -EROSION,-SLIGHT, FOCAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT FOOT/FOOTPAD(S) (FP) : -FIBROSIS,-MODERATELY SEVERE, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91070 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 584.0 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 10:43 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	FOOT/FOOTPAD(S) (FP) : -ABRASION(S)/ULCERATION(S); LEFT HIND FOOT: SINGLE DARK RED ABRADED AREA 6 X 4 MM; COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	FOOT/FOOTPAD(S) (FP) : -INFLAMMATION, ACUTE,-MODERATE, FOCAL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), LUNG (LU), URINARY BLADDER (UB)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91071 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 913.0 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 11:14 PROSECTOR: JAMES T. CALLEN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, DIFFUSE PANCREAS (PA) : -PIGMENT,-MINIMAL, MULTI-FOCAL -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT
	LUNG (LU) : -LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN AREAS, UP TO 3 X 2 MM	LUNG (LU) : -FIBROSIS, PLEURAL/SUBPLEURAL,-MINIMAL, FOCAL -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL, MULTI-FOCAL -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL THYROID (TY) : -CYST, FOLLICULAR,-MINIMAL, FOCAL
	PITUITARY (PI) : -MASS(ES); 8 X 6 X 5 MM, RED, GREY, FIRM	PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91071 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 913.0 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 11:14 PROSECTOR: JAMES T. CALLEN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), URINARY BLADDER (UB)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91072 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 475.9 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 11:17 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE >SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE >MASS(ES); MOUTH; WEEK 104; VERIFIED AT NECROPSY: OBSERVED	KIDNEY (KD) : -MASS(ES); LEFT, INVOLVING ENTIRE ORGAN: SINGLE MASS, 40 X 40 X 32 MM, RED, DARK RED, TAN, VASCULAR, AND FIRM; SAME ON CUT SECTION, COLLECTED; REGIONAL LN (RENAL) NOT IDENTIFIED PANCREAS (PA) : -LARGE VESSELS; DIFFUSE: UP TO 3 MM IN DIAMETER (CAP 22) SKIN (SK) : -MASS(ES); LEFT SIDE OF HEAD, NEAR CORNER OF MOUTH: SINGLE MASS, 8 MM IN DIAMETER, DARK RED, AND FIRM; ON SECTION EXUDES A LIGHT GREEN SEMISOLID; COLLECTED; REGIONAL LN (MANDIBULAR) NORMAL; COLLECTED	LIVER (LI) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL -M-LIPOSARCOMA,-NEOPLASM PRESENT PANCREAS (PA) : -HYPERTROPHY, VASCULAR,-MODERATE, MULTI-FOCAL -INFLAMMATION, VASCULAR,-MINIMAL, MULTI-FOCAL THYROID (TY) : -HYPERPLASIA, C-CELL,-SLIGHT, FOCAL SKIN (SK) : -INFLAMMATION, CHRONIC,-MODERATELY SEVERE, FOCAL -ULCERATION,-MODERATELY SEVERE, FOCAL URINARY BLADDER (UB) : -CALCULUS,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91072 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 475.9 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 11:17 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), LUNG (LU)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91073 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 963.6 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 13:30 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) :	LIVER (LI) :
	-RED FOCUS(I)/AREA(S); LEFT LATERAL LOBE: MULTIPLE DARK RED AREAS, UP TO 2 MM IN DIAMETER, COLLECTED ON ROUTINE SECTION	-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED		
>SKIN & PELAGE; BROWN HAIR COAT; PERINEAL AREA; VERIFIED AT NECROPSY: OBSERVED	KIDNEY (KD) :	KIDNEY (KD) :
	-LARGE PELVIS(ES); RIGHT	-DILATATION, PELVIC,-PRESENT
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL
		PANCREAS (PA) :
		-ATROPHY, ACINAR,-SLIGHT, FOCAL
		LUNG (LU) :
		-MINERALIZATION, VASCULAR,-MINIMAL, FOCAL
	PITUITARY (PI) :	PITUITARY (PI) :
	-RED FOCUS(I)/AREA(S); MID ASPECT: TWO DARK RED AREAS, EACH IS 2 MM IN DIAMETER	-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) :
		-SCHEDULED SACRIFICE,-PRESENT
	FOOT/FOOTPAD(S) (FP) :	FOOT/FOOTPAD(S) (FP) :
	-ABRASION(S)/ULCERATION(S); LEFT HIND FOOT: SINGLE DARK RED, MOIST, AND ABRADED AREA, 15 X 14 MM; COLLECTED	-EROSION,-MODERATELY SEVERE, FOCAL
		-EXOSTOSES,-MODERATELY SEVERE, FOCAL
		-FIBROSIS,-MODERATE, FOCAL
		-INFLAMMATION, ACUTE,-MODERATE, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91073 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 963.6 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 13:30 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; DRY YELLOW AND BROWN MATERIAL -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -ANIMAL OBESE	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), THYROID (TY), URINARY BLADDER (UB)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91074 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/06/00 STUDY DAY OF DEATH: 711 STUDY WEEK OF DEATH: 102 TERMINAL BODY WEIGHT: 587.4 GRAMS
DATE AND TIME OF NECROPSY: 01/06/00 14:28 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAWS-HIND; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
		-DILATATION, VENTRICULAR,-PRESENT
		-HEMORRHAGE,-SLIGHT, FOCAL
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) :
		-VACUOLATION, HEPATOCELLULAR,-SEVERE, DIFFUSE
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE	KIDNEY (KD) :	KIDNEY (KD) :
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED	-ROUGH SURFACE, DIFFUSE; BILATERAL	-MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL
	-DIFFUSELY DARK; BILATERAL: DARK GREEN	-NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL
>BEHAVIOR; SENSITIVE TO TOUCH; VERIFIED AT NECROPSY: NOT APPLICABLE		-PYELONEPHRITIS,-MINIMAL, MULTI-FOCAL
	TESTIS (TE) :	TESTIS (TE) :
	-SMALL; BILATERAL: BOTH ARE 23 X 11 X 4 MM, BOTH APPEAR SOFT	-ATROPHY/DEGENERATION,-MODERATE, MULTI-FOCAL
		-MINERALIZATION, VASCULAR,-MINIMAL, FOCAL
		LUNG (LU) :
		-INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL, MULTI-FOCAL
		HEART (HT) :
		-DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 10 X 8 X 7 MM, RED, DARK RED, TAN AND SOFT STOMACH, GL (ST) : -EROSION/ULCERATION; MUCOSA: MULTIPLE TAN AND BROWN ERODED AREAS, UP TO 5 X 3 MM PROSTATE (PR) : -NODULAR; PROXIMAL, SURROUNDING URETHRA: GREEN AND FIRM SEMINAL VESICLES (SV) : -SMALL; BILATERAL: BOTH ARE 14 X 5 X 2 MM FOOT/FOOTPAD(S) (FP) : -CRUSTED AREA(S); LEFT HINDFOOT, NEAR JUNCTION OF DIGITS 2,3, AND 4: SINGLE TAN AND BROWN, SLIGHTLY RAISED AREA, 5 MM IN DIAMETER; COLLECTED GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; DARK YELLOW -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: RED	PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT STOMACH, GL (ST) : -EDEMA,-SLIGHT, FOCAL -EROSION,-SLIGHT, FOCAL -INFLAMMATION, ACUTE,-MINIMAL, MULTI-FOCAL PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE, MULTI-FOCAL SEMINAL VESICLES (SV) : >UNREMARKABLE CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT MAMMARY, MALE (MM) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL FOOT/FOOTPAD(S) (FP) : -EXOSTOSES,-SLIGHT, FOCAL -FIBROSIS,-MODERATE, FOCAL -INFLAMMATION, ACUTE,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91074 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/06/00 STUDY DAY OF DEATH: 711 STUDY WEEK OF DEATH: 102 TERMINAL BODY WEIGHT: 587.4 GRAMS
DATE AND TIME OF NECROPSY: 01/06/00 14:28 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91075 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/19/99 STUDY DAY OF DEATH: 540 STUDY WEEK OF DEATH: 78 TERMINAL BODY WEIGHT: 656.3 GRAMS
DATE AND TIME OF NECROPSY: 07/19/99 9:52 PROSECTOR: LYNN HORNER RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		-DILATATION, VENTRICULAR,-PRESENT
		KIDNEY (KD) :
>BEHAVIOR; RECUMBENT; STERNAL; VERIFIED AT NECROPSY: NOT APPLICABLE		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATELY SEVERE, DIFFUSE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		PANCREAS (PA) :
		-PIGMENT,-MINIMAL, MULTI-FOCAL
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED		ADRENAL, CORTEX (AC) :
		-ANGIECTASIS,-SLIGHT, MULTI-FOCAL
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE		-DEGENERATION, CYSTIC, CORTICAL,-MODERATE, MULTI-FOCAL
		-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
	SPINAL CORD (SC) :	SPINAL CORD (SC) :
	>NOTE:>TRIMMING COMMENT: SPINAL CORD NOT FOUND AT TIME OF TRIMMING	>TISSUE MISSING
		LUNG (LU) :
		-MINERALIZATION, VASCULAR,-MINIMAL, FOCAL
		HEART (HT) :
		-DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 8 X 7 X 6 MM, DARK RED, TAN, AND SOFT	-B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL
	SEMINAL VESICLES (SV) : -LARGE; BILATERAL: EACH IS 30 X 15 X 6 MM	SEMINAL VESICLES (SV) : -SECRETION, INCREASED,-PRESENT
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	FOOT/FOOTPAD(S) (FP) : -CRUSTED AREA(S); LEFT HIND FOOT: SINGLE TAN, DRY CRUSTED AREA, 6 X 5 MM; COLLECTED -ABRASION(S)/ULCERATION(S); RIGHT HIND FOOT: SINGLE DARK RED MOIST ABRADED AREA, 5 X 3 MM; COLLECTED	FOOT/FOOTPAD(S) (FP) : -EDEMA,-SLIGHT, MULTI-FOCAL -EROSION,-MODERATE, MULTI-FOCAL -INFLAMMATION, ACUTE,-MODERATE, MULTI-FOCAL
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; PERIANAL: DARK YELLOW AND MOIST -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED, MOIST MATERIAL -ANIMAL OBESE	

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DATE AND TIME OF NECROPSY: 07/19/99 9:52 PROSECTOR: LYNN HORNER RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), THYMUS (TH), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91076 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 747.0 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 10:50 PROSECTOR: JAMES T. CALLEN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) :	LIVER (LI) :
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-RIGHT; VERIFIED AT NECROPSY: OBSERVED	-LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE LIGHT GREEN AREAS, UP TO 3 X 2 MM; COLLECTED ON ROUTINE SECTIONS	-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED		-INFLAMMATION, ACUTE,-MINIMAL, MULTI-FOCAL
		-NECROSIS, HEPATOCELLULAR,-MODERATELY SEVERE, MULTI-FOCAL
	KIDNEY (KD) :	KIDNEY (KD) :
	-LARGE PELVIS(ES); RIGHT	-DILATATION, PELVIC,-PRESENT
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
		PANCREAS (PA) :
		-ATROPHY, ACINAR,-MINIMAL, FOCAL
		LUNG (LU) :
		-MINERALIZATION,-MINIMAL, FOCAL
		-MINERALIZATION, VASCULAR,-MINIMAL, FOCAL
	THYROID (TY) :	THYROID (TY) :
	-LARGE; LEFT: 8 X 4 X 4 MM (RIGHT IS 5 X 4 X 2 MM)	-CYST, ULTIMOBRANCHIAL,-PRESENT
		-B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
	-DARK FOCUS(I)/AREA(S); RIGHT ASPECT: SINGLE DARK RED AREA, 2 X 1 MM	-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) :
		-SCHEDULED SACRIFICE,-PRESENT

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LN, MANDIBULAR (MN) : -LARGE; BILATERAL: EACH IS 10 X 4 X 2 MM; COLLECTED	LN, MANDIBULAR (MN) : -DILATATION, SINUSOIDAL,-MINIMAL, FOCAL -HYPERPLASIA, LYMPHOCYTIC,-MINIMAL, DIFFUSE
	FOOT/FOOTPAD(S) (FP) : -CRUSTED AREA(S); RIGHT HIND FOOT: SINGLE DRY RED, TAN CRUSTED AREA, 15 X 10 MM; COLLECTED	FOOT/FOOTPAD(S) (FP) : -EROSION,-MODERATE, FOCAL -EXOSTOSES,-MODERATE, FOCAL -INFLAMMATION, ACUTE,-MODERATE, FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL, LOWER INCISORS -STAINS - SKIN/HAIRCOAT; ENTIRE ABDOMINAL REGION: DRY YELLOW MATERIAL -BONE MARROW SMEAR TAKEN	

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DATE AND TIME OF NECROPSY: 01/27/99 10:50 PROSECTOR: JAMES T. CALLEN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), URINARY BLADDER (UB)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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ANIMAL NUMBER: C91077 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/05/99 STUDY DAY OF DEATH: 588 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 573.5 GRAMS
DATE AND TIME OF NECROPSY: 09/05/99 16:02 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; MISSING; TEETH; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; COLD TO TOUCH; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) PITUITARY (PI) : -MASS(ES); 10 X 7 X 6 MM, RED, DARK RED, TAN AND FIRM SEMINAL VESICLES (SV) : -GELATINOUS; BILATERAL	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT LIVER (LI) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL -PYELONEPHRITIS,-MODERATE, MULTI-FOCAL LUNG (LU) : -INFLAMMATION, ACUTE,-SLIGHT, MULTI-FOCAL -MINERALIZATION, VASCULAR,-SLIGHT, FOCAL PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT PROSTATE (PR) : -INFLAMMATION, ACUTE,-MODERATELY SEVERE, MULTI-FOCAL SEMINAL VESICLES (SV) : -EDEMA,-MODERATE, MULTI-FOCAL

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O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	SEMINAL VESICLES (SV) : -LARGE; BILATERAL: EACH IS 35 X 20 X 4 MM	SEMINAL VESICLES (SV) : -INFLAMMATION, ACUTE,-MODERATELY SEVERE, FOCAL -SECRETION, INCREASED,-PRESENT
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	LN, MANDIBULAR (MN) : -LARGE; BILATERAL: EACH IS 9 X 5 X 3 MM	LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOCYTIC,-SLIGHT, DIFFUSE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL, LOWER INCISORS -TEETH MISSING/BROKEN/WORN; MISSING, BILATERAL UPPER INCISORS	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91077 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/05/99 STUDY DAY OF DEATH: 588 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 573.5 GRAMS
DATE AND TIME OF NECROPSY: 09/05/99 16:02 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91078 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/05/99 STUDY DAY OF DEATH: 649 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/05/99 7:43 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LIVER (LI) : -LARGE; ALL LOBES -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 3 X 2 MM; COLLECTED ON ROUTINE SECTIONS KIDNEY (KD) : -LARGE PELVIS(ES); BILATERAL -LARGE; BILATERAL: EACH IS 35 X 25 X 19 MM TESTIS (TE) : -SMALL; BILATERAL: EACH IS 18 X 7 X 5 MM LUNG (LU) : -UNCOLLAPSED; ALL LOBES -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED FOCI, UP TO 2 MM IN DIAMETER	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -DEGENERATION, CYSTIC,-MINIMAL, FOCAL -HYPERPLASIA, BILE DUCT,-MODERATE, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL -STASIS, BILE,-MODERATE, MULTI-FOCAL KIDNEY (KD) : -DILATATION, PELVIC,-PRESENT -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATELY SEVERE, DIFFUSE SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MINIMAL, MULTI-FOCAL TESTIS (TE) : >UNREMARKABLE LUNG (LU) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91078 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/05/99 STUDY DAY OF DEATH: 649 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/05/99 7:43 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL -FIBROSIS,-MINIMAL, MULTI-FOCAL
	THYROID (TY) : -LARGE; BILATERAL: EACH IS 9 X 5 X 4 MM	THYROID (TY) : -M-CARCINOMA, FOLLICULAR CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 11 X 9 X 8 MM, RED, DARK RED, GREY, TAN, LOBULATED AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -PIGMENT,-MINIMAL, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		JEJUNUM (JE) : >AUTOLYTIC
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE, MULTI-FOCAL
	SEMINAL VESICLES (SV) : -SMALL; BILATERAL: EACH IS 15 X 3 X 3 MM	SEMINAL VESICLES (SV) : >UNREMARKABLE
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	URETER (UE) : -LARGE; BILATERAL: EACH IS UP TO 1 MM IN DIAMETER (CAP 22)	URETER (UE) : >TISSUE MISSING
	GENERAL COMMENT (GC) : -GI TRACT-LARGE LUMEN; INVOLVING ENTIRE GI TRACT: UP TO 35 MM IN DIAMETER	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91078 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/05/99 STUDY DAY OF DEATH: 649 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/05/99 7:43 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91079 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/07/99 STUDY DAY OF DEATH: 590 STUDY WEEK OF DEATH: 85 TERMINAL BODY WEIGHT: 449.6 GRAMS
DATE AND TIME OF NECROPSY: 09/07/99 13:09 PROSECTOR: TONY HANFELD RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED >RESPIRATION; IRREGULAR; VERIFIED AT NECROPSY: NOT APPLICABLE >BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE >APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE >BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT LIVER (LI) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT, MULTI-FOCAL TESTIS (TE) : -MINERALIZATION, VASCULAR,-SLIGHT, MULTI-FOCAL THYROID (TY) : -CYST, FOLLICULAR,-MODERATELY SEVERE, FOCAL
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 15 X 7 X 7 MM, RED, DARK RED, TAN, AND SOFT PROSTATE (PR) : -NODULAR; PROXIMAL, SURROUNDING URETHRA: GREEN AND FIRM SEMINAL VESICLES (SV) : -LARGE; LEFT: 32 X 18 X 3 MM (RIGHT IS 26 X 12 X 3 MM)	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT PROSTATE (PR) : -INFLAMMATION, ACUTE,-SLIGHT, MULTI-FOCAL SEMINAL VESICLES (SV) : -SECRETION, INCREASED,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91079 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/07/99 STUDY DAY OF DEATH: 590 STUDY WEEK OF DEATH: 85 TERMINAL BODY WEIGHT: 449.6 GRAMS
DATE AND TIME OF NECROPSY: 09/07/99 13:09 PROSECTOR: TONY HANFELD RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-PITUITARY ADENOMA,-PRESENT

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91080 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/07/99 STUDY DAY OF DEATH: 681 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/07/99 11:18 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>WART LIKE LESION(S); EAR-LEFT; WEEK 65; VERIFIED AT NECROPSY: OBSERVED >WART LIKE LESION(S); VENTRAL-ABDOMINAL; WEEK 76; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; SORE/SCAB; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED >EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) PITUITARY (PI) : -MASS(ES); 10 X 8 X 8 MM, DARK RED AND SOFT SKIN (SK) : -MASS(ES); MID VENTRAL THORACIC REGION: SINGLE MASS, 15 X 10 X 6 MM, TAN AND HARD; SAME ON CUT SURFACE (CAP 23); REGIONAL LN (AXILLARY) NORMAL (CAP 24)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT LIVER (LI) : -DEGENERATION, CYSTIC,-SLIGHT, FOCAL KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -MINERALIZATION, PELVIC,-SLIGHT, FOCAL HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL PITUITARY (PI) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT SKIN (SK) : -B-PAPILLOMA, SQUAMOUS CELL,-NEOPLASM PRESENT SEMINAL VESICLES (SV) : -INFLAMMATION, ACUTE,-MODERATELY SEVERE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91080 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/07/99 STUDY DAY OF DEATH: 681 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/07/99 11:18 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	FOOT/FOOTPAD(S) (FP) : -CRUSTED AREA(S); LEFT HINDFOOT: SINGLE DRY BROWN CRUSTED AREA, 15 MM IN DIAMETER; SURROUNDING TISSUE APPEARS SWOLLEN; COLLECTED	FOOT/FOOTPAD(S) (FP) : -EROSION,-MODERATELY SEVERE, FOCAL -FIBROSIS,-SLIGHT, FOCAL -INFLAMMATION, ACUTE,-MODERATE, FOCAL
	PINNA (PN) : -CRUSTED AREA(S); LEFT, NEAR CANAL: SINGLE DRY BROWN AREA, 3 X 2 X 1 MM (CAP 22)	PINNA (PN) : >UNREMARKABLE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91080 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/07/99 STUDY DAY OF DEATH: 681 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/07/99 11:18 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91099 SEX: MALE DOSE GROUP: 7 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/05/98 STUDY DAY OF DEATH: 39 STUDY WEEK OF DEATH: 6 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/05/98 7:57 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>DISCHARGE; ORAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED
>HOUSING,FOOD,WATER & MAINT.; WATER BOTTLE PLACED ON CAGE; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; DEHYDRATED; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

STOMACH, GL (ST) :
-DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN AREAS, PINPOINT AND UP TO 3 X 1 MM

GENERAL COMMENT (GC) :
-DISCHARGE-ORAL; RED, DRY MATERIAL
-STAINS-PERINEUM/PERIANAL; YELLOW MOIST MATERIAL

HISTOPATHOLOGY

LIVER (LI) :
-HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR,-MODERATELY SEVERE, DIFFUSE
-NECROSIS, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL
THYROID (TY) :
-ECTOPIC THYMUS,-PRESENT
STOMACH, GL (ST) :
-EROSION,-MODERATE, FOCAL

JEJUNUM (JE) :
>AUTOLYTIC
CAUSE OF DEATH (CD) :
-HEPATIC NECROSIS,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91099 SEX: MALE DOSE GROUP: 7 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/05/98 STUDY DAY OF DEATH: 39 STUDY WEEK OF DEATH: 6 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/05/98 7:57 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), MAMMARY, MALE (MM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), PENIS (PE), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91121 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 397.8 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 11:02 PROSECTOR: DONIA MEYER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0466	.0117 %	.0223	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0388	.0098 %	.0186	WEIGHT TAKEN
BRAIN (BR)	2.0851	.5242 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.3222	.3324 %	.6341	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.5011	.3774 %	.7199	WEIGHT TAKEN
LIVER (LI)	11.8627	2.9821 %	5.6893	WEIGHT TAKEN
LUNG (LU)	1.9458	.4891 %	.9332	WEIGHT TAKEN
LEFT OVARY (OV0)	.0548	.0138 %	.0263	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0515	.0129 %	.0247	WEIGHT TAKEN
SPLEEN (SP)	.5875	.1477 %	.2818	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0211	.0053 %	.0101	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0171	.0043 %	.0082	WEIGHT TAKEN
UTERUS (UT)	1.7745	.4461 %	.8510	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

STOMACH, GL (ST) :
-DARK FOCUS(I)/AREA(S); MUCOSA:
MULTIPLE DARK BROWN AREAS, UP TO 1 MM
IN DIAMETER

HISTOPATHOLOGY

LIVER (LI) :
-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-
FOCAL
ADRENAL, CORTEX (AC) :
-ANGIECTASIS,-SLIGHT, MULTI-FOCAL
-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
THYROID (TY) :
-CYST, ULTIMOBRANCHIAL,-PRESENT
STOMACH, GL (ST) :
>UNREMARKABLE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91121 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 397.8 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 11:02 PROSECTOR: DONIA MEYER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE TAN AND CREAMY SEMIFLUID FILLED CYSTS, UP TO 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION UTERUS (UT) : -LUMEN FILLED WITH FLUID; BILATERAL: CLEAR FLUID GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT UTERUS (UT) : -DILATATION,-MODERATE, DIFFUSE CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91121 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 397.8 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 11:02 PROSECTOR: DONIA MEYER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91122 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 451.1 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 11:33 PROSECTOR: DONIA MEYER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0420	.0093 %	.0185	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0248	.0055 %	.0109	WEIGHT TAKEN
BRAIN (BR)	2.2764	.5046 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.3642	.3024 %	.5993	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.3425	.2976 %	.5897	WEIGHT TAKEN
LIVER (LI)	10.7372	2.3802 %	4.7167	WEIGHT TAKEN
LUNG (LU)	1.5978	.3542 %	.7019	WEIGHT TAKEN
LEFT OVARY (OV0)	.0558	.0124 %	.0245	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0565	.0125 %	.0248	WEIGHT TAKEN
SPLEEN (SP)	.6826	.1513 %	.2999	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0168	.0037 %	.0074	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0214	.0047 %	.0094	WEIGHT TAKEN
UTERUS (UT)	.4623	.1025 %	.2031	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

KIDNEY (KD) :
-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
-MINERALIZATION, TUBULAR,-MINIMAL, MULTI-FOCAL
ADRENAL, CORTEX (AC) :
-ANGIECTASIS,-SLIGHT, FOCAL
-HEMORRHAGE,-SLIGHT, FOCAL
LUNG (LU) :
-INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91122 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 451.1 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 11:33 PROSECTOR: DONIA MEYER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91122 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 451.1 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 11:33 PROSECTOR: DONIA MEYER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91123 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/09/99 STUDY DAY OF DEATH: 683 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/09/99 14:00 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 85; 50 X 60MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
		-DILATATION, VENTRICULAR,-PRESENT
>MASS(ES); INGUINAL REGION-RIGHT; WEEK 94; 40 X 40MM; VERIFIED AT NECROPSY: OBSERVED		-HEMORRHAGE,-MODERATE, MULTI-FOCAL
	LIVER (LI) :	LIVER (LI) :
	-LARGE; ALL LOBES; MARGINS APPEAR ROUNDED	>UNREMARKABLE
>SKIN & PELAGE; SORE/SCAB; DORSAL; VERIFIED AT NECROPSY: NOT OBSERVED		KIDNEY (KD) :
		-CAST, PROTEINACEOUS,-SLIGHT, MULTI-FOCAL
>MASS(ES); AXILLARY REGION-LEFT; WEEK 97; VERIFIED AT NECROPSY: OBSERVED		-MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL
>BEHAVIOR; RECUMBENT; STERNAL; VERIFIED AT NECROPSY: NOT APPLICABLE		
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	ADRENAL, CORTEX (AC) :	ADRENAL, CORTEX (AC) :
	-LARGE; BILATERAL: LEFT IS 8 X 8 X 6 MM, RIGHT IS 10 X 8 X 8 MM	-ANGIECTASIS,-SEVERE, MULTI-FOCAL
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE	-DIFFUSELY DARK; BILATERAL: DARK BROWN	-DEGENERATION, CYSTIC, CORTICAL,-SEVERE, MULTI-FOCAL
		-HEMORRHAGE,-SEVERE, MULTI-FOCAL
		OVARY (OV) :
		-CYST,-PRESENT
	THYMUS (TH) :	THYMUS (TH) :
	-MOTTLED; RED, DARK RED, GRAY AND TAN	-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
	-LARGE; 35 X 25 X 6 MM	-X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91123 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/09/99 STUDY DAY OF DEATH: 683 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/09/99 14:00 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL
	PITUITARY (PI) : -MASS(ES); 8 X 6 X 4 MM, DARK RED, TAN, SOFT AND LOBULATED	PITUITARY (PI) : -HEMORRHAGE,-SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		ILEUM (IL) : >AUTOLYTIC
		COLON (CO) : -PARASITISM,-PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 65 X 55 X 40 MM, TAN, RED, SOFT AND VASCULAR; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (SEE AXILLARY) -CYST(S); VENTRAL ABDOMINAL REGION: MULTIPLE TAN, CREAMY, SEMIFLUID FILLED CYSTS, UP TO 12 X 10 X 5 MM; COLLECTED ON ROUTINE SECTION -MASS #2; LEFT AXILLARY REGION: SINGLE MASS, 15 X 13 X 6 MM, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (SEE AXILLARY) -THICKENED; ALL REGIONS, DIFFUSE: TAN AND SOFT; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -GALACTOCELE,-SEVERE, MULTI-FOCAL -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91123 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/09/99 STUDY DAY OF DEATH: 683 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/09/99 14:00 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS #3; RIGHT INGUINAL REGION: SINGLE MASS, 50 X 40 X 25 MM, TAN AND SOFT; CUT SURFACE EXUDES A TAN CREAMY SEMIFLUID MATERIAL; COLLECTED INTACT; REGIONAL LN (RIGHT INGUINAL) NORMAL (CAP 22)	
		CAUSE OF DEATH (CD) : -MALIGNANT LYMPHOMA,-PRESENT HEMATO NEOPLASIA (HN) : -M-LYMPHOMA,-NEOPLASM PRESENT
	LN, AXILLARY (AX) : -MOTTLED; BILATERAL: TAN AND BROWN (CAP 21)	LN, AXILLARY (AX) : >UNREMARKABLE
		LN, INGUINAL (IN) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91123 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/09/99 STUDY DAY OF DEATH: 683 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/09/99 14:00 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), CECUM (CE), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91124 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 363.2 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 11:53 PROSECTOR: WENDY CHERRY RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0661	.0182 %	.0303	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0603	.0166 %	.0277	WEIGHT TAKEN
BRAIN (BR)	2.1807	.6004 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.5783	.4346 %	.7238	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.6324	.4494 %	.7486	WEIGHT TAKEN
LIVER (LI)	11.4796	3.1607 %	5.2642	WEIGHT TAKEN
LUNG (LU)	1.6056	.4421 %	.7363	WEIGHT TAKEN
LEFT OVARY (OV0)	.0650	.0179 %	.0298	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0626	.0172 %	.0287	WEIGHT TAKEN
SPLEEN (SP)	.6360	.1751 %	.2916	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0129	.0036 %	.0059	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0097	.0027 %	.0044	WEIGHT TAKEN
UTERUS (UT)	1.2016	.3308 %	.5510	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

PITUITARY (PI) :
-DARK FOCUS(I)/AREA(S); RIGHT ASPECT:
TWO BROWN FOCI, BOTH ARE 1 MM IN
DIAMETER

HISTOPATHOLOGY

KIDNEY (KD) :
-MINERALIZATION, PELVIC,-SLIGHT, MULTI-
FOCAL
ADRENAL, CORTEX (AC) :
-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
PITUITARY (PI) :
-B-ADENOMA,-NEOPLASM PRESENT

STOMACH, GL (ST) :
-EDEMA,-SLIGHT, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91124 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 363.2 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 11:53 PROSECTOR: WENDY CHERRY RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91124 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 363.2 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 11:53 PROSECTOR: WENDY CHERRY RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91125 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/27/99 STUDY DAY OF DEATH: 671 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 353.9 GRAMS
DATE AND TIME OF NECROPSY: 11/27/99 13:46 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); INGUINAL REGION-RIGHT; WEEK 87; 70 X 55MM; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) :	LIVER (LI) :
	-DIFFUSELY LIGHT; ALL LOBES: TAN	-VACUOLATION, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) :
		-MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED		-MINERALIZATION, TUBULAR,-MINIMAL, MULTI-FOCAL
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE		ADRENAL, CORTEX (AC) :
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED		-ANGIECTASIS,-SLIGHT, MULTI-FOCAL
		-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
		-HYPERTROPHY, CORTICAL CELL,-MODERATE, FOCAL
	LN, MESENTERIC (MS) :	LN, MESENTERIC (MS) :
	-DIFFUSELY RED; DARK RED	-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
		-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL, MULTI-FOCAL
		THYMUS (TH) :
		-CYST,-PRESENT
		LUNG (LU) :
		-INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL, FOCAL
		PITUITARY (PI) :
		-HEMORRHAGE,-MODERATE, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91125 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/27/99 STUDY DAY OF DEATH: 671 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 353.9 GRAMS
DATE AND TIME OF NECROPSY: 11/27/99 13:46 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); RIGHT POSTERIOR ASPECT: SINGLE MASS, 5 X 4 X 2 MM, DARK RED AND SOFT	
		HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-MINIMAL, FOCAL
	STOMACH, NONGL (SU) : -RAISED AREA(S); MUCOSA: SINGLE WHITE AREA, 7 X 5 X 3 MM	STOMACH, NONGL (SU) : -FIBROSIS,-MODERATELY SEVERE, FOCAL -HYPERKERATOSIS, NONGLANDULAR MUCOSA,-MODERATE, DIFFUSE -INFLAMMATION, ACUTE,-MODERATE, FOCAL -ULCERATION,-MODERATELY SEVERE, FOCAL
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT PERINEAL REGION: SINGLE MASS, 65 X 65 X 25 MM, TAN, DARK RED, RED, LOBULATED AND SOFT; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATELY SEVERE, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -MAMMARY FIBROADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91125 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/27/99 STUDY DAY OF DEATH: 671 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 353.9 GRAMS
DATE AND TIME OF NECROPSY: 11/27/99 13:46 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91126 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 03/20/98 STUDY DAY OF DEATH: 54 STUDY WEEK OF DEATH: 8 TERMINAL BODY WEIGHT: 229.2 GRAMS
DATE AND TIME OF NECROPSY: 03/20/98 7:41 PROSECTOR: WENDY CHERRY RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TERRI L. WILLIAMS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0378	.0165 %	.0192	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0353	.0154 %	.0180	WEIGHT TAKEN
BRAIN (BR)	1.9637	.8568 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	.9111	.3975 %	.4640	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	.9189	.4009 %	.4679	WEIGHT TAKEN
LIVER (LI)	6.8127	2.9724 %	3.4693	WEIGHT TAKEN
LUNG (LU)	1.1246	.4907 %	.5727	WEIGHT TAKEN
LEFT OVARY (OV0)	.0507	.0221 %	.0258	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0498	.0217 %	.0254	WEIGHT TAKEN
SPLEEN (SP)	.4642	.2025 %	.2364	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0080	.0035 %	.0041	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0070	.0031 %	.0036	WEIGHT TAKEN
UTERUS (UT)	.3980	.1736 %	.2027	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-HYPERTROPHY, CENTRILOBULAR,
HEPATOCELLULAR,-MINIMAL, DIFFUSE
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91126 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 03/20/98 STUDY DAY OF DEATH: 54 STUDY WEEK OF DEATH: 8 TERMINAL BODY WEIGHT: 229.2 GRAMS
DATE AND TIME OF NECROPSY: 03/20/98 7:41 PROSECTOR: WENDY CHERRY RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TERRI L. WILLIAMS

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL INFORMATION (XX) :
>NOTE:>ANIMAL DIED PRIOR TO
EXSANGUINATION ANIMAL NECROPSY
PERFORMED OUT OF ORDER DUE TO
MORIBUND CONDITION

HISTOPATHOLOGY

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91127 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 353.6 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 10:03 PROSECTOR: MICHELE MARGGI RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; LATERAL-ABDOMINAL-LEFT; VERIFIED AT NECROPSY: NOT OBSERVED		EYE (EY) : -INFLAMMATION, ACUTE,-MINIMAL, FOCAL -ULCERATION, CORNEAL,-MINIMAL, FOCAL
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 91; 60 X 50MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 2 X 1 MM; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL LIVER, OIL RED O (LI1) : -POSITIVE OIL RED O STAINING,-MODERATE, MULTI-FOCAL KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT, MULTI-FOCAL PANCREAS (PA) : -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91127 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 353.6 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 10:03 PROSECTOR: MICHELE MARGGI RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	ADRENAL, CORTEX (AC) : -MASS(ES); LEFT: SINGLE MASS, 15 X 11 X 11 MM, RED, DARK RED, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (SEE RENAL)	ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-SEVERE, FOCAL -HEMORRHAGE,-SEVERE, FOCAL
		LN, MESENTERIC (MS) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL
		LUNG (LU) : -FIBROSIS, PLEURAL/SUBPLEURAL,-MINIMAL, FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, FOCAL
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 11 X 8 X 6 MM, RED, DARK RED, GRAY, LOBULATED AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		CECUM (CE) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL
	SKIN (SK) : -CRUSTED AREA(S); LEFT INGUINAL REGION: SINGLE DRY TAN AND BROWN CRUSTED AREA, 25 X 10 MM (CAP 20)	SKIN (SK) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE, FOCAL
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT INGUINAL REGION: SINGLE MASS, 70 X 50 X 30 MM, RED, DARK RED, TAN, LOBULATED AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		VAGINA (VA) : >UNREMARKABLE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	VAGINA (VA) : -SEMIFLUID MATERIAL; WITHIN LUMEN: CLEAR MUCOID MATERIAL	
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, RENAL (RL) : -LARGE; LEFT: 9 X 5 X 5 MM (CAP 21) -DIFFUSELY RED; RIGHT: DARK RED -SMALL; RIGHT: 2 X 1 X 1 MM (CAP 21)	LN, RENAL (RL) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	
	GENERAL INFORMATION (XX) : >NOTE:>ANIMAL NECROPSIED OUT OF ORDER DUE TO MORIBUND CONDITION	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 353.6 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 10:03 PROSECTOR: MICHELE MARGGI RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91128 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/02/99 STUDY DAY OF DEATH: 523 STUDY WEEK OF DEATH: 75 TERMINAL BODY WEIGHT: 554.6 GRAMS
DATE AND TIME OF NECROPSY: 07/02/99 9:58 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; RED HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
		-DILATATION, VENTRICULAR,-PRESENT
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) :
		-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		-MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL
		ADRENAL, CORTEX (AC) :
		-ANGIECTASIS,-MODERATE, MULTI-FOCAL
		-HEMORRHAGE,-MODERATE, MULTI-FOCAL
		THYMUS (TH) :
		-CYST,-PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 10 X 8 X 8 MM, DARK RED AND SOFT	-HEMORRHAGE,-MODERATE, MULTI-FOCAL
		-PIGMENT,-SLIGHT, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) :
		-INFLAMMATION, CHRONIC,-MINIMAL, FOCAL
	MAMMARY, FEMALE (MF) :	MAMMARY, FEMALE (MF) :
	-THICKENED; DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	-GALACTOCELE,-MINIMAL, MULTI-FOCAL
		CAUSE OF DEATH (CD) :
		-PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -STAINS - SKIN/HAIRCOAT; ENTIRE HEAD AND VENTRAL ABDOMINAL REGION: DARK RED AND DRY MATERIAL	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91129 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 367.4 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 13:08 PROSECTOR: MICHELE MARGGI RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0283	.0077 %	.0138	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0247	.0067 %	.0120	WEIGHT TAKEN
BRAIN (BR)	2.0540	.5591 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.3979	.3805 %	.6806	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.4025	.3817 %	.6828	WEIGHT TAKEN
LIVER (LI)	10.5662	2.8759 %	5.1442	WEIGHT TAKEN
LUNG (LU)	1.2784	.3480 %	.6224	WEIGHT TAKEN
LEFT OVARY (OV0)	.0560	.0152 %	.0273	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0486	.0132 %	.0237	WEIGHT TAKEN
SPLEEN (SP)	.5479	.1491 %	.2667	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0130	.0035 %	.0063	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0045	.0012 %	.0022	WEIGHT TAKEN
UTERUS (UT)	.6525	.1776 %	.3177	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91130 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 07/13/99 STUDY DAY OF DEATH: 534 STUDY WEEK OF DEATH: 77 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 07/13/99 14:44 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
	LIVER (LI) : -RED FOCUS(I)/AREA(S); RIGHT MEDIAN LOBE: SINGLE DARK RED AREA, 5 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION	LIVER (LI) : >UNREMARKABLE
		KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
		ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL
		NERVE, SCIATIC (SN) : >TISSUE MISSING
	PITUITARY (PI) : -MASS(ES); 8 X 7 X 6 MM, DARK RED, TAN, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		ILEUM (IL) : >AUTOLYTIC
		CECUM (CE) : >AUTOLYTIC
	CERVIX (CV) : -LARGE; 8 X 6 X 5 MM	CERVIX (CV) : >UNREMARKABLE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91130 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
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DATE AND TIME OF NECROPSY: 07/13/99 14:44 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-DISCHARGE-OCULAR; BILATERAL: DARK RED AND MOIST
-DISCHARGE-NASAL; DARK RED AND DRY

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91130 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
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DATE AND TIME OF NECROPSY: 07/13/99 14:44 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91131 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 341.7 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 13:43 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED		LIVER, OIL RED O (LI1) :
		-POSITIVE OIL RED O STAINING,-MINIMAL, MULTI-FOCAL
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) :
		-MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
		-PYELONEPHRITIS,-MINIMAL, FOCAL
	ADRENAL, CORTEX (AC) :	ADRENAL, CORTEX (AC) :
	-LARGE; RIGHT: 8 MM IN DIAMETER (LEFT IS 4 X 4 X 3 MM)	-DEGENERATION, CYSTIC, CORTICAL,-MODERATELY SEVERE, FOCAL
		-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
	OVARY (OV) :	OVARY (OV) :
	-CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 7 MM IN DIAMETER	>UNREMARKABLE
		LUNG (LU) :
		-INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT, MULTI-FOCAL
		THYROID (TY) :
		-CYST, ULTIMOBRANCHIAL,-PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
	-LARGE; 6 X 5 X 4 MM; APPEARS SWOLLEN	-B-ADENOMA,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) :
		-GALACTOCELE,-SLIGHT, MULTI-FOCAL
		UTERUS (UT) :
		-DILATATION,-MODERATELY SEVERE, DIFFUSE

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O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	UTERUS (UT) : -LARGE, DIFFUSE; BILATERAL: LEFT HORN IS 70 X UP TO 15 X 3 MM, RIGHT HORN IS 70 X 10 X 3 MM	UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-SLIGHT, MULTI-FOCAL -HYPERPLASIA, ENDOMETRIAL,-MODERATE, DIFFUSE -INFLAMMATION, CHRONIC,-SLIGHT, MULTI-FOCAL -PIGMENT,-MINIMAL, MULTI-FOCAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, LUMBAR/ILIAC (LM) : -MOTTLED; BILATERAL: RED AND TAN (CAP 20)	LN, LUMBAR/ILIAC (LM) : -DILATATION, SINUSOIDAL,-MINIMAL, MULTI-FOCAL -HYPERPLASIA, LYMPHOCYTIC,-MINIMAL, MULTI-FOCAL
	FOOT/FOOTPAD(S) (FP) : -CRUSTED AREA(S); LEFT HINDFOOT: SINGLE DARK RED AND DRY AREA, 5 X 3 MM; COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	FOOT/FOOTPAD(S) (FP) : -EROSION,-MODERATE, FOCAL -FIBROSIS,-MODERATE, FOCAL -INFLAMMATION, ACUTE,-MODERATE, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91132 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/05/99 STUDY DAY OF DEATH: 618 STUDY WEEK OF DEATH: 89 TERMINAL BODY WEIGHT: 438.1 GRAMS
DATE AND TIME OF NECROPSY: 10/05/99 14:34 PROSECTOR: TONY HANFELD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); INGUINAL REGION-LEFT; WEEK 64; 80 X 90MM; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; BLUE SKIN; VENTRAL-ABDOMINAL-LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL
	OVARY (OV) : -CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 4 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT THYMUS (TH) : -CYST,-PRESENT LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL, MULTI-FOCAL
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 5 X 5 X 3 MM, RED, DARK RED, TAN, AND SOFT SKIN (SK) : >NOTE:>ROUTINE SECTION COLLECTED FROM RIGHT INGUINAL REGION DUE TO LARGE MASS	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT SKIN (SK) : -INFLAMMATION, ACUTE,-MODERATELY SEVERE, FOCAL -ULCERATION,-SEVERE, FOCAL MAMMARY, FEMALE (MF) : -MINERALIZATION,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 105 X 64 X 36 MM, TAN, RED, DARK RED, BROWN, LOBULATED, AND CYSTIC; ON SECTION EXUDES A DARK BROWN FLUID; PORTION COLLECTED; REGIONAL LN (INGUINAL) NORMAL (CAP 21) -MASS #2; RIGHT AXILLARY REGION: SINGLE MASS, 28 X 15 X 13 MM, DARK RED, TAN, AND SOFT; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (SEE AXILLARY) >NOTE:>ROUTINE SECTION COLLECTED FROM RIGHT INGUINAL REGION DUE TO LARGE MASS	MAMMARY, FEMALE (MF) : -PIGMENT,-MODERATELY SEVERE, MULTI-FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT -M-CARCINOMA,-NEOPLASM PRESENT
	UTERUS (UT) : -CYST(S); BILATERAL, WITHIN LUMEN: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 5 MM IN DIAMETER	UTERUS (UT) : -DILATATION,-MODERATELY SEVERE, DIFFUSE
		CAUSE OF DEATH (CD) : -MAMMARY FIBROADENOMA,-PRESENT
		LN, MEDIASTINAL (ML) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL, MULTI-FOCAL >NOTE:>MEDIASTINAL LYMPH NODE WAS PRESENT ON THYMUS SECTION
		LN, AXILLARY (AX) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LN, AXILLARY (AX) : -LARGE; LEFT: UP TO 13 X 7 X 2 MM (RIGHT IS UP TO 3 X 2 X 2 MM) -DIFFUSELY RED; BILATERAL: DARK RED (CAP 22)	
		LN, INGUINAL (IN) : >TISSUE MISSING
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91133 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 420.2 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 11:33 PROSECTOR: WENDY CHERRY RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0276	.0066 %	.0125	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0300	.0071 %	.0136	WEIGHT TAKEN
BRAIN (BR)	2.2072	.5253 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.1849	.2820 %	.5368	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.2369	.2944 %	.5604	WEIGHT TAKEN
LIVER (LI)	10.3579	2.4650 %	4.6928	WEIGHT TAKEN
LUNG (LU)	1.7630	.4196 %	.7987	WEIGHT TAKEN
LEFT OVARY (OV0)	.0847	.0202 %	.0384	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0766	.0182 %	.0347	WEIGHT TAKEN
SPLEEN (SP)	.5825	.1386 %	.2639	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0090	.0021 %	.0041	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0192	.0046 %	.0087	WEIGHT TAKEN
UTERUS (UT)	.8435	.2007 %	.3822	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

ADRENAL, CORTEX (AC) :
>NOTE:>TRIM COMMENT: MISSING ONE ADRENAL AT TIME OF TRIMMING

HISTOPATHOLOGY

KIDNEY (KD) :
-MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
ADRENAL, CORTEX (AC) :
-ONE EXAMINED,-PRESENT
>NOTE:>ONE EXAMINED
ADRENAL, MEDULLA (MA) :
-ONE EXAMINED,-PRESENT
>NOTE:>ONE EXAMINED
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91134 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/28/99 STUDY DAY OF DEATH: 519 STUDY WEEK OF DEATH: 75 TERMINAL BODY WEIGHT: 256.2 GRAMS
DATE AND TIME OF NECROPSY: 06/28/99 15:24 PROSECTOR: KEVIN BILLINGS RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL; WEEK 51; 60 X 40MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) :
		-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT APPLICABLE		-NECROSIS, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL
>SKIN & PELAGE; RED HAIR COAT; LIMBS-FRONT; VERIFIED AT NECROPSY: NOT OBSERVED		KIDNEY (KD) :
		-CAST, PROTEINACEOUS,-SLIGHT, MULTI-FOCAL
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE		ADRENAL, CORTEX (AC) :
		-DEGENERATION, CYSTIC, CORTICAL,-MODERATE, FOCAL
>SKIN & PELAGE; COLD TO TOUCH; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE		-HEMORRHAGE,-SLIGHT, FOCAL
	PITUITARY (PI) :	PITUITARY (PI) :
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: NOT OBSERVED	-MASS(ES); SINGLE MASS, 12 X 10 X 8 MM, DARK RED AND SOFT	-HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) :	MAMMARY, FEMALE (MF) :
	-MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 60 X 50 X 25 MM, RED, DARK RED, TAN, FIRM AND LOBULATED; SAME ON CUT SURFACE; SOME AREAS EXUDE A TAN AND CREAMY SEMIFLUID; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	-GALACTOCELE,-SEVERE, MULTI-FOCAL
		-MINERALIZATION,-MODERATE, MULTI-FOCAL
		-M-CARCINOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91134 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/28/99 STUDY DAY OF DEATH: 519 STUDY WEEK OF DEATH: 75 TERMINAL BODY WEIGHT: 256.2 GRAMS
DATE AND TIME OF NECROPSY: 06/28/99 15:24 PROSECTOR: KEVIN BILLINGS RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -CYST(S); RIGHT PERIANAL REGION: SINGLE CYST, 13 MM IN DIAMETER, FILLED WITH A TAN CREAMY SEMIFLUID	
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91134 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/28/99 STUDY DAY OF DEATH: 519 STUDY WEEK OF DEATH: 75 TERMINAL BODY WEIGHT: 256.2 GRAMS
DATE AND TIME OF NECROPSY: 06/28/99 15:24 PROSECTOR: KEVIN BILLINGS RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91135 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 192.4 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 11:13 PROSECTOR: DONIA MEYER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	6.4555	3.3552 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LEFT OVARY (OV0)	--------	--------	--------	NOT TAKEN
RIGHT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT THYROID/PAR (TT0)	--------	--------	--------	NOT TAKEN
RIGHT THYROID/PR (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91136 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/11/99 STUDY DAY OF DEATH: 624 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: 417.0 GRAMS
DATE AND TIME OF NECROPSY: 10/11/99 12:14 PROSECTOR: TODD ACKER RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-RIGHT; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>EYES; RED DISCHARGE; EYE-RIGHT; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE		-DILATATION, VENTRICULAR,-PRESENT
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: NOT OBSERVED		-HEMORRHAGE,-SLIGHT, FOCAL
		KIDNEY (KD) :
		-MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL
		ADRENAL, CORTEX (AC) :
		-ANGIECTASIS,-MODERATE, MULTI-FOCAL
		-DEGENERATION, CYSTIC, CORTICAL,-MODERATE, FOCAL
		-HEMORRHAGE,-MODERATE, MULTI-FOCAL
		THYROID (TY) :
		-CYST, ULTIMOBRANCHIAL,-PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); SINGLE MASS, 10 X 8 X 7 MM, DARK RED, GREY, AND SOFT	-HEMORRHAGE,-MODERATE, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) :
		-GALACTOCELE,-SLIGHT, MULTI-FOCAL
	UTERUS (UT) :	UTERUS (UT) :
	-CYST(S); BILATERAL, WITHIN WALLS: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 25 X 8 X 8 MM	-DILATATION,-SEVERE, DIFFUSE
		CAUSE OF DEATH (CD) :
		-PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	FOOT/FOOTPAD(S) (FP) : -CRUSTED AREA(S); RIGHT HINDFOOT: SINGLE DARK RED AND DRY AREA, 7 X 5 MM; COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED MOIST MATERIAL GENERAL INFORMATION (XX) : >NOTE:>ANIMAL IDENTIFICATION TRANSPONDER DAMAGED AT NECROPSY	FOOT/FOOTPAD(S) (FP) : -EROSION,-MODERATE, FOCAL -FIBROSIS,-MODERATE, FOCAL -INFLAMMATION, ACUTE,-MODERATE, FOCAL

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91137 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/10/00 STUDY DAY OF DEATH: 715 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 354.1 GRAMS
DATE AND TIME OF NECROPSY: 01/10/00 13:23 PROSECTOR: JAMES T. CALLEN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; SWOLLEN; PAW-HIND-RIGHT; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>APPEARANCE; LIMITED USE; PAW-HIND-RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		-DILATATION, VENTRICULAR,-PRESENT
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE		-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) :	LIVER (LI) :
>SKIN & PELAGE; BROWN HAIR COAT; PERINEAL AREA; VERIFIED AT NECROPSY: OBSERVED	-DIFFUSELY LIGHT; ALL LOBES: TAN	-VACUOLATION, HEPATOCELLULAR,-SEVERE, DIFFUSE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) :
		-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
		-MINERALIZATION, PELVIC,-SLIGHT, FOCAL
		ADRENAL, CORTEX (AC) :
		-ANGIECTASIS,-MINIMAL, MULTI-FOCAL
		-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
		-HYPERTROPHY, CORTICAL CELL,-MODERATE, FOCAL
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 6 MM IN DIAMETER, DARK RED AND SOFT	-HEMORRHAGE,-SEVERE, MULTI-FOCAL
		-PIGMENT,-MINIMAL, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, NONGL (SU) :	STOMACH, NONGL (SU) :
	-LIGHT FOCUS(I)/AREA(S); MUCOSA: MULTIPLE TAN INDISTINCT AREAS	-EDEMA,-SLIGHT, FOCAL
		-INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91137 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/10/00 STUDY DAY OF DEATH: 715 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 354.1 GRAMS
DATE AND TIME OF NECROPSY: 01/10/00 13:23 PROSECTOR: JAMES T. CALLEN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATE, FOCAL CERVIX (CV) : -DILATATION,-SLIGHT, FOCAL -B-POLYP, ENDOMETRIAL STROMAL,-NEOPLASM PRESENT CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	JOINT, OTHER (JT) : -LARGE; RIGHT HINDFOOT: UP TO 12 MM IN DIAMETER; COLLECTED	JOINT, OTHER (JT) : -EXOSTOSES,-SEVERE, MULTI-FOCAL -INFLAMMATION, CHRONIC,-SLIGHT, MULTI-FOCAL
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; DRY BROWN MATERIAL -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY RED MATERIAL -DISCHARGE-NASAL; DRY RED MATERIAL -STAINS - SKIN/HAIRCOAT; HEAD: DRY RED MATERIAL	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91137 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/10/00 STUDY DAY OF DEATH: 715 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 354.1 GRAMS
DATE AND TIME OF NECROPSY: 01/10/00 13:23 PROSECTOR: JAMES T. CALLEN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91138 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 418.8 GRAMS
DATE AND TIME OF NECROPSY: 10/27/00 10:06 PROSECTOR: JAMES T. CALLEN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED >MASS(ES); AXILLARY REGION-LEFT; WEEK 99; 50 X 70MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) PITUITARY (PI) : -MASS(ES); 10 X 5 X 4 MM, DARK RED, TAN, AND FIRM	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL -MINERALIZATION,-MINIMAL, FOCAL LN, MESENTERIC (MS) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL, MULTI-FOCAL THYMUS (TH) : -CYST,-PRESENT PITUITARY (PI) : -HEMORRHAGE,-SEVERE, MULTI-FOCAL -PIGMENT,-MINIMAL, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT MAMMARY, FEMALE (MF) : -GALACTOCELE,-SEVERE, MULTI-FOCAL -MINERALIZATION,-SLIGHT, MULTI-FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91138 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 418.8 GRAMS
DATE AND TIME OF NECROPSY: 10/27/00 10:06 PROSECTOR: JAMES T. CALLEN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 90 X 60 X 30 MM, TAN, VASCULAR, AND SOFT; ON SECTION EXUDES A TAN CREAMY SEMIFLUID; COLLECTED INTACT; REGIONAL LN (SEE AXILLARY)	
		CERVIX (CV) : -PIGMENT,-MINIMAL, MULTI-FOCAL
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, AXILLARY (AX) : -MOTTLED; BILATERAL: RED AND TAN (CAP 20)	LN, AXILLARY (AX) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91138 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 418.8 GRAMS
DATE AND TIME OF NECROPSY: 10/27/00 10:06 PROSECTOR: JAMES T. CALLEN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91139 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/02/99 STUDY DAY OF DEATH: 432 STUDY WEEK OF DEATH: 62 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/02/99 10:02 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EYES; RED DISCHARGE; EYE-RIGHT; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -MINERALIZATION, TUBULAR,-MINIMAL, MULTI-FOCAL THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 6 X 6 X 11 MM, FIRM, RED, DARK RED AND TAN	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI- FOCAL CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; RIGHT: DRY RED MATERIAL	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91139 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/02/99 STUDY DAY OF DEATH: 432 STUDY WEEK OF DEATH: 62 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/02/99 10:02 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91140 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 03/20/98 STUDY DAY OF DEATH: 54 STUDY WEEK OF DEATH: 8 TERMINAL BODY WEIGHT: 301.6 GRAMS
DATE AND TIME OF NECROPSY: 03/20/98 8:05 PROSECTOR: TODD ACKER RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TERRI L. WILLIAMS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0531	.0176 %	.0258	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0479	.0159 %	.0233	WEIGHT TAKEN
BRAIN (BR)	2.0571	.6821 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.0500	.3481 %	.5104	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.0632	.3525 %	.5168	WEIGHT TAKEN
LIVER (LI)	8.5377	2.8308 %	4.1504	WEIGHT TAKEN
LUNG (LU)	1.4318	.4747 %	.6960	WEIGHT TAKEN
LEFT OVARY (OV0)	.0763	.0253 %	.0371	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0930	.0308 %	.0452	WEIGHT TAKEN
SPLEEN (SP)	.4953	.1642 %	.2408	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0103	.0034 %	.0050	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0099	.0033 %	.0048	WEIGHT TAKEN
UTERUS (UT)	.5868	.1946 %	.2853	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91140 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 03/20/98 STUDY DAY OF DEATH: 54 STUDY WEEK OF DEATH: 8 TERMINAL BODY WEIGHT: 301.6 GRAMS
DATE AND TIME OF NECROPSY: 03/20/98 8:05 PROSECTOR: TODD ACKER RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TERRI L. WILLIAMS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91141 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 08/06/99 STUDY DAY OF DEATH: 558 STUDY WEEK OF DEATH: 80 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 08/06/99 7:24 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); LIMB-HIND-RIGHT; WEEK 71; 20 X 30MM; VERIFIED AT NECROPSY: NOT OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL KIDNEY (KD) : -CYST,-MODERATE, FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL PANCREAS (PA) : -ATROPHY, ACINAR,-SLIGHT, FOCAL ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL
	PITUITARY (PI) : -MASS(ES); 8 MM IN DIAMETER, RED, DARK RED AND SOFT STOMACH, NONGL (SU) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE BROWN AND DARK BROWN AREAS, UP TO 4 X 3 MM	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT STOMACH, NONGL (SU) : -EDEMA,-MODERATE, MULTI-FOCAL -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL, MULTI-FOCAL -ULCERATION,-MODERATELY SEVERE, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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ANIMAL NUMBER: C91141 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 08/06/99 STUDY DAY OF DEATH: 558 STUDY WEEK OF DEATH: 80 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 08/06/99 7:24 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		JEJUNUM (JE) : >AUTOLYTIC ILEUM (IL) : >AUTOLYTIC
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT INGUINAL REGION: SINGLE MASS, 40 X 40 X 20 MM, RED, DARK RED, GRAY, TAN, LOBULATED, AND FIRM; ON SECTION, EXUDES A BROWN FLUID; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -M-CARCINOMA,-NEOPLASM PRESENT
	CERVIX (CV) : -LARGE; 10 X 9 X 8 MM	CERVIX (CV) : >UNREMARKABLE
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY MATERIAL	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91141 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 08/06/99 STUDY DAY OF DEATH: 558 STUDY WEEK OF DEATH: 80 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 08/06/99 7:24 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91142 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/14/99 STUDY DAY OF DEATH: 505 STUDY WEEK OF DEATH: 73 TERMINAL BODY WEIGHT: 364.2 GRAMS
DATE AND TIME OF NECROPSY: 06/14/99 14:48 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
		-DILATATION, VENTRICULAR,-PRESENT
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) :	LIVER (LI) :
	-MOTTLED; ALL LOBES: RED AND TAN	-CYST,-SLIGHT, FOCAL
>MASS(ES); INGUINAL REGION-RIGHT; WEEK 72; 15 X 15MM; VERIFIED AT NECROPSY: OBSERVED	-RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 3 X 2 MM; COLLECTED ON ROUTINE SECTIONS	-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
		-VACUOLATION, HEPATOCELLULAR,-MODERATELY SEVERE, MULTI-FOCAL
>SKIN & PELAGE; RED HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED	KIDNEY (KD) :	KIDNEY (KD) :
	-LARGE PELVIS(ES); BILATERAL	-CYST,-MINIMAL, FOCAL
		-DILATATION, PELVIC,-PRESENT
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED		-MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
>BEHAVIOR; SENSITIVE TO TOUCH; VERIFIED AT NECROPSY: NOT APPLICABLE	ADRENAL, CORTEX (AC) :	ADRENAL, CORTEX (AC) :
	-LARGE; LEFT: 11 MM IN DIAMETER (FOR COMPARISON, RIGHT IS 5 X 3 X 3 MM)	-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
		-VACUOLATION,-MODERATE, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
		THYMUS (TH) :
		-CYST,-PRESENT
		HEART (HT) :
		-DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91142 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/14/99 STUDY DAY OF DEATH: 505 STUDY WEEK OF DEATH: 73 TERMINAL BODY WEIGHT: 364.2 GRAMS
DATE AND TIME OF NECROPSY: 06/14/99 14:48 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

PITUITARY (PI) :
-MASS(ES); SINGLE MASS, 9 X 7 X 5 MM, RED, DARK RED, TAN, LOBULATED AND SOFT
MAMMARY, FEMALE (MF) :
-MASS(ES); RIGHT INGUINAL REGION: SINGLE MASS, 25 X 20 X 10 MM, RED, TAN, VASCULAR AND FIRM; ON SECTION EXUDES A TAN CREAMY SEMIFLUID; COLLECTED; REGIONAL LN (INGUINAL) NORMAL (CAP 20)
-THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION

GENERAL COMMENT (GC) :
-STAINS-PERINEUM/PERIANAL; YELLOW MOIST MATERIAL
-BLOOD FILM TAKEN
-DISCHARGE-OCULAR; BILATERAL: DARK RED DRY MATERIAL
-STAINS - SKIN/HAIRCOAT; ENTIRE VENTRAL SURFACE: DARK RED AND BROWN, DRY, MATERIAL

HISTOPATHOLOGY

PITUITARY (PI) :
-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
-B-ADENOMA,-NEOPLASM PRESENT
MAMMARY, FEMALE (MF) :
-B-ADENOMA,-NEOPLASM PRESENT

CAUSE OF DEATH (CD) :
-PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91142 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/14/99 STUDY DAY OF DEATH: 505 STUDY WEEK OF DEATH: 73 TERMINAL BODY WEIGHT: 364.2 GRAMS
DATE AND TIME OF NECROPSY: 06/14/99 14:48 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN), LN, INGUINAL (IN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91143 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 174.0 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 7:25 PROSECTOR: DAVID SCHUETTE RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	6.8425	3.9325 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LEFT OVARY (OV0)	--------	--------	--------	NOT TAKEN
RIGHT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT THYROID/PAR (TT0)	--------	--------	--------	NOT TAKEN
RIGHT THYROID/PR (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91143 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 174.0 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 7:25 PROSECTOR: DAVID SCHUETTE RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91144 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 320.7 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 11:15 PROSECTOR: TONY HANFELD RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>DISCHARGE; GENITAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; SWOLLEN; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: NOT OBSERVED		LIVER, OIL RED O (LI1) : -POSITIVE OIL RED O STAINING,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL -PIGMENT,-MINIMAL, MULTI-FOCAL
	OVARY (OV) : -CYST(S); BILATERAL: SINGLE CLEAR FLUID FILLED CYST ON EACH, LEFT IS 3 MM IN DIAMETER, RIGHT IS 10 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT
		BONE, STERNUM (SB) : -HYPERPLASIA, CARTILAGE,-MODERATELY SEVERE, FOCAL PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 25 X 15 X 12 MM, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91144 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 320.7 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 11:15 PROSECTOR: TONY HANFELD RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	CERVIX (CV) : -LARGE; TRIMMING COMMENT: UP TO 8 MM IN DIAMETER; TRIMMED IN ROUTINE SECTION UTERUS (UT) : -LUMEN FILLED WITH FLUID; BILATERAL: REDDISH-BROWN FLUID -LARGE, DIFFUSE; BILATERAL: EACH HORN IS UP TO 110 X 25 X 25 MM GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; MOIST AND RED -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	CERVIX (CV) : -CYST,-PRESENT UTERUS (UT) : -DILATATION,-SEVERE, DIFFUSE -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91144 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 320.7 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 11:15 PROSECTOR: TONY HANFELD RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91145 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 03/20/98 STUDY DAY OF DEATH: 54 STUDY WEEK OF DEATH: 8 TERMINAL BODY WEIGHT: 264.9 GRAMS
DATE AND TIME OF NECROPSY: 03/20/98 8:07 PROSECTOR: DONIA MEYER RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TERRI L. WILLIAMS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0402	.0152 %	.0195	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0359	.0136 %	.0174	WEIGHT TAKEN
BRAIN (BR)	2.0585	.7771 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	.9720	.3669 %	.4722	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.0001	.3775 %	.4858	WEIGHT TAKEN
LIVER (LI)	7.5230	2.8399 %	3.6546	WEIGHT TAKEN
LUNG (LU)	1.4443	.5452 %	.7016	WEIGHT TAKEN
LEFT OVARY (OV0)	.0866	.0327 %	.0421	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0878	.0331 %	.0427	WEIGHT TAKEN
SPLEEN (SP)	.5149	.1944 %	.2501	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0106	.0040 %	.0051	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0085	.0032 %	.0041	WEIGHT TAKEN
UTERUS (UT)	.7386	.2788 %	.3588	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

LN, MANDIBULAR (MN) :
-DIFFUSELY RED; BILATERAL: DARK RED;
COLLECTED
GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT
LN, MANDIBULAR (MN) :
>NOT REQUIRED TO BE EXAMINED FOR ANIMAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91145 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TERRI L. WILLIAMS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91146 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/28/99 STUDY DAY OF DEATH: 519 STUDY WEEK OF DEATH: 75 TERMINAL BODY WEIGHT: 361.1 GRAMS
DATE AND TIME OF NECROPSY: 06/28/99 15:04 PROSECTOR: KEVIN BILLINGS RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 71; 10 X 15MM; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE
>EYES; RED DISCHARGE; EYE-LEFT; VERIFIED AT NECROPSY: NOT OBSERVED
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: NOT OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

PITUITARY (PI) :
-MASS(ES); SINGLE MASS, 10 X 7 X 6 MM, RED, TAN AND SOFT

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
-DILATATION, VENTRICULAR,-PRESENT
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
PANCREAS (PA) :
-ATROPHY, ACINAR,-MODERATE, FOCAL
ADRENAL, CORTEX (AC) :
-ANGIECTASIS,-SLIGHT, MULTI-FOCAL
-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
THYMUS (TH) :
-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
PITUITARY (PI) :
-B-ADENOMA,-NEOPLASM PRESENT
MAMMARY, FEMALE (MF) :
-GALACTOCELE,-MODERATELY SEVERE, MULTI-FOCAL
-MINERALIZATION,-MINIMAL, MULTI-FOCAL
CAUSE OF DEATH (CD) :
-PITUITARY ADENOMA,-PRESENT
LN, AXILLARY (AX) :
>TISSUE MISSING

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LN, AXILLARY (AX) : -CYST(S); RIGHT, INVOLVING ENTIRE NODE: SINGLE CLEAR FLUID FILLED CYST, 10 MM IN DIAMETER; POSSIBLY CONSISTENT WITH MASS NOTED IN CLINICAL OBSERVATIONS (CAP 20) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL, LOWER INCISORS -TEETH MISSING/BROKEN/WORN; LEFT UPPER INCISOR: BROKEN OFF AT BASE	LN, AXILLARY (AX) : >NOTE:>AXILLARY LYMPH NODE CYSTS DESCRIBED GROSSLY WAS MAMMARY GALACTOCELES

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91147 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/14/99 STUDY DAY OF DEATH: 535 STUDY WEEK OF DEATH: 77 TERMINAL BODY WEIGHT: 323.9 GRAMS
DATE AND TIME OF NECROPSY: 07/14/99 15:54 PROSECTOR: WENDY CHERRY RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) :	BRAIN (BR) :
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED	KIDNEY (KD) :	KIDNEY (KD) :
>APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE	-LARGE PELVIS(ES); BILATERAL	-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
	-CYST(S); RIGHT, CORTICAL SURFACE: SINGLE CLEAR FLUID FILLED CYST, 3 MM IN DIAMETER	-CYST,-MODERATE, FOCAL
		-DILATATION, PELVIC,-PRESENT
		-MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
		ADRENAL, CORTEX (AC) :
		-ANGIECTASIS,-MINIMAL, MULTI-FOCAL
		-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
		-VACUOLATION,-SLIGHT, FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
	LN, MESENTERIC (MS) :	LN, MESENTERIC (MS) :
	-MOTTLED; RED AND TAN	>UNREMARKABLE
		THYROID (TY) :
		-B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 17 X 15 X 10 MM, DARK RED, TAN AND SOFT	-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
		RECTUM (RE) :
		-PARASITISM,-PRESENT
		MAMMARY, FEMALE (MF) :
		-GALACTOCELE,-SEVERE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -CYST(S); PERINEAL REGION: SINGLE DARK RED FLUID FILLED CYST, 15 MM IN DIAMETER; COLLECTED	MAMMARY, FEMALE (MF) : -B-ADENOMA,-NEOPLASM PRESENT
	UTERUS (UT) : -CYST(S); BILATERAL, WITHIN WALLS: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 6 MM IN DIAMETER	UTERUS (UT) : -DILATATION,-MODERATE, DIFFUSE
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL, DARK RED AND DRY -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91148 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 598.5 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 10:07 PROSECTOR: TONY HANFELD RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL
>MASS(ES); VENTRAL-ABDOMINAL; WEEK 95; 20 X 20MM; VERIFIED AT NECROPSY: OBSERVED		LIVER, OIL RED O (LI1) : -POSITIVE OIL RED O STAINING,-SLIGHT, MULTI-FOCAL
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 98; 30 X 25MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL
>MASS(ES); INGUINAL REGION-RIGHT; WEEK 98; 40 X 50MM; VERIFIED AT NECROPSY: OBSERVED	ADRENAL, CORTEX (AC) : -DIFFUSELY DARK; RIGHT: DARK RED	ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-MODERATELY SEVERE, MULTI-FOCAL
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 102; 50 X 45MM; VERIFIED AT NECROPSY: OBSERVED		-HEMORRHAGE,-MODERATE, MULTI-FOCAL
		-THROMBUS,-SLIGHT, FOCAL
	OVARY (OV) : -CYST(S); LEFT: SINGLE GREEN FLUID FILLED CYST, 14 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT
		LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT, MULTI-FOCAL
		PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL

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O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, GL (ST) : -RED FOCUS(I)/AREA(S); MUCOSA: SINGLE DARK RED LINEAR AREA, 6 X 1 MM MAMMARY, FEMALE (MF) : -MASS(ES); VENTRAL CERVICAL REGION: SINGLE MASS, 45 X 37 X 35 MM, RED, DARK RED, TAN, FIRM AND LOBULATED; SAME ON CUT SURFACE; POSSIBLY CONSISTENT WITH MASS (AXILLARY REGION, RIGHT) AS NOTED IN CLINICAL OBSERVATIONS; COLLECTED; REGIONAL LN (MANDIBULAR) NORMAL (CAP 21) -MASS #2; RIGHT AXILLARY REGION: SINGLE MASS, 50 X 40 X 35 MM, RED, DARK RED, TAN, LOBULATED AND FIRM; SAME ON CUT SURFACE; POSSIBLY CONSISTENT WITH MASS (VENTRAL ABDOMINAL, RIGHT) AS NOTED IN CLINICAL OBSERVATIONS; COLLECTED; REGIONAL LN (SEE AXILLARY) -MASS #3; RIGHT INGUINAL REGION: SINGLE PEDUNCULATED MASS, 120 X 65 X 24 MM, RED, TAN AND LOBULATED; SAME ON CUT SURFACE; POSSIBLY CONSISTENT WITH MASSES (VENTRAL ABDOMINAL AND INGUINAL) AS NOTED IN CLINICAL OBSERVATIONS; PORTION COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	STOMACH, GL (ST) : >UNREMARKABLE MAMMARY, FEMALE (MF) : -B-ADENOMA,-NEOPLASM PRESENT -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT -M-CARCINOMA,-NEOPLASM PRESENT

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		UTERUS (UT) : -DILATATION,-MODERATELY SEVERE, FOCAL -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-SLIGHT, FOCAL -B-POLYP, ENDOMETRIAL, STROMAL,-NEOPLASM PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, AXILLARY (AX) : -LARGE; RIGHT: UP TO 10 X 8 X 3 MM (LEFT IS 8 X 4 X 2 MM) (CAP 20) FOOT/FOOTPAD(S) (FP) : -CRUSTED AREA(S); LEFT HINDFOOT: SINGLE DARK RED CRUSTED AREA, 10 X 8 MM; COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOCYTIC,-MODERATE, MULTI-FOCAL FOOT/FOOTPAD(S) (FP) : -EROSION,-MODERATE, FOCAL -EXOSTOSES,-MODERATE, MULTI-FOCAL -FIBROSIS,-MODERATE, FOCAL -INFLAMMATION, ACUTE,-MODERATE, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91149 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/27/99 STUDY DAY OF DEATH: 610 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: 360.4 GRAMS
DATE AND TIME OF NECROPSY: 09/27/99 13:10 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 51; 50 X 55MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>MASS(ES); AXILLARY REGION-LEFT; WEEK 82; 35 X 30MM; VERIFIED AT NECROPSY: OBSERVED		PANCREAS (PA) : -ATROPHY, ACINAR,-MINIMAL, FOCAL
>SKIN & PELAGE; SORE/SCAB; LIMB-FRONT-LEFT; VERIFIED AT NECROPSY: OBSERVED		ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MINIMAL, MULTI-FOCAL -HEMORRHAGE,-MINIMAL, MULTI-FOCAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	LN, MESENTERIC (MS) : >NOTE:>TRIMMING COMMENT: MISSING FROM WET TISSUE	LN, MESENTERIC (MS) : >TISSUE MISSING
	PITUITARY (PI) : -MASS(ES); 9 X 7 X 7 MM, RED, DARK RED, TAN AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 20 X 16 X 8 MM, RED, DARK RED, TAN AND FIRM; SAME ON CUT SURFACE; OVERLYING SKIN HAS A DARK RED AND TAN ERODED AREA, 9 X 5 MM (CAP 22); REGIONAL LN (AXILLARY) (CAP 21); OVERLYING SKIN, POSSIBLY CONSISTENT WITH SORE/SCAB (LIMB-FRONT-LEFT) NOTED IN CLINICAL OBSERVATIONS	MAMMARY, FEMALE (MF) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -PIGMENT,-MODERATE, MULTI-FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT -M-CARCINOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91149 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
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DATE AND TIME OF NECROPSY: 09/27/99 13:10 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS #2; RIGHT INGUINAL REGION: SINGLE MASS, 55 X 50 X 35 MM (40.8 GRAMS), RED, TAN, GRAY, FIRM AND LOBULATED; SAME ON CUT SURFACE (CAP 23); REGIONAL LN (INGUINAL) NOT IDENTIFIED	CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91149 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/27/99 STUDY DAY OF DEATH: 610 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: 360.4 GRAMS
DATE AND TIME OF NECROPSY: 09/27/99 13:10 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91150 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/05/99 STUDY DAY OF DEATH: 526 STUDY WEEK OF DEATH: 76 TERMINAL BODY WEIGHT: 381.6 GRAMS
DATE AND TIME OF NECROPSY: 07/05/99 10:33 PROSECTOR: TROY ELLENBECKER RECORDER: TROY ELLENBECKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-CERVICAL; WEEK 62; 45 X 60MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, FOCAL THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT
>SKIN & PELAGE; BLUE SKIN; VENTRAL-CERVICAL; VERIFIED AT NECROPSY: NOT APPLICABLE	MAMMARY, FEMALE (MF) : -MASS(ES); VENTRAL MID THORACIC REGION: SINGLE MASS, 50 X 40 X 10 MM, RED, DARK RED, TAN, BROWN AND SOFT; SAME ON CUT SURFACE; SOME AREAS EXUDE A BROWN CASEOUS MATERIAL; OVERLYING SKIN HAS A SINGLE ABRADED AREA, 10 X 6 MM; COLLECTED; REGIONAL LN (SEE MANDIBULAR)	MAMMARY, FEMALE (MF) : -GALACTOCELE,-MINIMAL, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE		
>EYES; PALE; EYES; VERIFIED AT NECROPSY: NOT APPLICABLE		CAUSE OF DEATH (CD) : -MAMMARY FIBROADENOMA,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: COLLECTED	LN, MANDIBULAR (MN) : >UNREMARKABLE
	LN, AXILLARY (AX) : -LARGE; LEFT: 10 X 4 X 3 MM (FOR COMPARISON, RIGHT IS 8 X 3 X 2 MM) (CAP 20)	LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOCYTIC,-MINIMAL, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91150 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/05/99 STUDY DAY OF DEATH: 526 STUDY WEEK OF DEATH: 76 TERMINAL BODY WEIGHT: 381.6 GRAMS
DATE AND TIME OF NECROPSY: 07/05/99 10:33 PROSECTOR: TROY ELLENBECKER RECORDER: TROY ELLENBECKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91151 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/21/99 STUDY DAY OF DEATH: 512 STUDY WEEK OF DEATH: 74 TERMINAL BODY WEIGHT: 297.9 GRAMS
DATE AND TIME OF NECROPSY: 06/21/99 14:07 PROSECTOR: JAMES T. CALLEN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE >APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE >EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) PITUITARY (PI) : -MASS(ES); 10 X 7 X 6 MM, TAN, RED AND FIRM STOMACH, GL (ST) : -LIGHT FOCUS(I)/AREA(S); MUCOSA: MULTIPLE TAN, SLIGHTLY RAISED AREAS, UP TO 2 X 1 MM	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-MODERATELY SEVERE, MULTI-FOCAL KIDNEY (KD) : -MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATELY SEVERE, MULTI-FOCAL ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT STOMACH, GL (ST) : >UNREMARKABLE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91151 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
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DATE AND TIME OF NECROPSY: 06/21/99 14:07 PROSECTOR: JAMES T. CALLEN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, NONGL (SU) : -LIGHT FOCUS(I)/AREA(S); MUCOSA: MULTIPLE TAN, SLIGHTLY RAISED AREAS, UP TO 2 X 1 MM	STOMACH, NONGL (SU) : >UNREMARKABLE
		MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATE, MULTI-FOCAL
	VAGINA (VA) : -SEMIFLUID MATERIAL; WITHIN LUMEN: GREEN MUCOID MATERIAL	VAGINA (VA) : >UNREMARKABLE
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY, DARK RED MATERIAL -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91152 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 402.4 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 10:33 PROSECTOR: WENDY CHERRY RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0403	.0100 %	.0175	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0506	.0126 %	.0220	WEIGHT TAKEN
BRAIN (BR)	2.3005	.5717 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.3529	.3362 %	.5881	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.3051	.3243 %	.5673	WEIGHT TAKEN
LIVER (LI)	11.2455	2.7946 %	4.8883	WEIGHT TAKEN
LUNG (LU)	1.6125	.4007 %	.7009	WEIGHT TAKEN
LEFT OVARY (OV0)	.0625	.0155 %	.0272	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0565	.0140 %	.0246	WEIGHT TAKEN
SPLEEN (SP)	.6141	.1526 %	.2669	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0144	.0036 %	.0063	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0163	.0041 %	.0071	WEIGHT TAKEN
UTERUS (UT)	1.2985	.3227 %	.5644	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

LIVER (LI) :
-MOTTLED; ALL LOBES: BROWN AND TAN

HISTOPATHOLOGY

LIVER (LI) :
>UNREMARKABLE
KIDNEY (KD) :
-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
-MINERALIZATION, TUBULAR,-MINIMAL, FOCAL
ADRENAL, CORTEX (AC) :
-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
THYROID (TY) :
-CYST, ULTIMOBRANCHIAL,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		RECTUM (RE) : -PARASITISM,-PRESENT
		MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATE, MULTI-FOCAL
	UTERUS (UT) : -CYST(S); BILATERAL, WITHIN WALLS: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 6 MM IN DIAMETER	UTERUS (UT) : -DILATATION,-MODERATE, MULTI-FOCAL
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: DARK RED (CAP 20)	LN, MANDIBULAR (MN) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91152 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 402.4 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 10:33 PROSECTOR: WENDY CHERRY RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91153 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/09/99 STUDY DAY OF DEATH: 561 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 700.3 GRAMS
DATE AND TIME OF NECROPSY: 08/09/99 15:31 PROSECTOR: DENNIS HOFFMAN RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 60; 40 X 25MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>SKIN & PELAGE; SORE/SCAB; AXILLARY REGION-RIGHT; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 3 X 5 MM; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL -NECROSIS, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL -TELANGIECTASIS,-MODERATE, MULTI-FOCAL
>SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE	KIDNEY (KD) : -GRANULAR MATERIAL; BILATERAL, WITHIN PELVIS: MULTIPLE PINPOINT TAN GRANULES	KIDNEY (KD) : -MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
		OVARY (OV) : -CYST,-PRESENT
		PARATHYROID (PT) : >SECTION EXAMINED; TISSUE NOT PRESENT
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 4 X 6 X 8 MM, SOFT, RED, DARK RED AND TAN	PITUITARY (PI) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		SKIN (SK) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -INFLAMMATION, ACUTE,-SLIGHT, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91153 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/09/99 STUDY DAY OF DEATH: 561 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 700.3 GRAMS
DATE AND TIME OF NECROPSY: 08/09/99 15:31 PROSECTOR: DENNIS HOFFMAN RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		SKIN (SK) : -ULCERATION,-MODERATE, MULTI-FOCAL
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 20 X 32 X 50 MM, FIRM, LOBULATED, RED, DARK RED, TAN; SAME ON CUT SURFACE; COLLECTED; OVERLYING SKIN HAS A MOIST, RED AND BROWN ERODED AREA, 7 X 12 MM; COLLECTED INTACT WITH MASS; REGIONAL LN (SEE AXILLARY) -CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE WHITE FLUID FILLED CYSTS, UP TO 2 MM IN DIAMETER (CAP 22) -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED WITH ROUTINE SECTION	MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATE, MULTI-FOCAL -NECROSIS,-MODERATELY SEVERE, MULTI-FOCAL -M-CARCINOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL (CAP 21) LN, AXILLARY (AX) : -MOTTLED; BILATERAL: RED AND TAN (CAP 20)	LN, MANDIBULAR (MN) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL LN, AXILLARY (AX) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -INFILTRATE, MACROPHAGE, PIGMENTED,-MODERATE, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91153 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/09/99 STUDY DAY OF DEATH: 561 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 700.3 GRAMS
DATE AND TIME OF NECROPSY: 08/09/99 15:31 PROSECTOR: DENNIS HOFFMAN RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91154 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 07/20/99 STUDY DAY OF DEATH: 541 STUDY WEEK OF DEATH: 78 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 07/20/99 14:33 PROSECTOR: LYNN HORNER RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>EYES; RED DISCHARGE; EYE-RIGHT;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-DISCHARGE-OCULAR; BILATERAL: DARK
RED, DRY, CRUSTED MATERIAL

HISTOPATHOLOGY

BRAIN (BR) :
-HEMORRHAGE,-MODERATE, MULTI-FOCAL
-M-ASTROCYTOMA,-NEOPLASM PRESENT
ADRENAL, CORTEX (AC) :
-ANGIECTASIS,-MINIMAL, MULTI-FOCAL
-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
THYMUS (TH) :
-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
THYROID (TY) :
-CYST, ULTIMOBRANCHIAL,-PRESENT
CAUSE OF DEATH (CD) :
-ASTROCYTOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91154 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 07/20/99 STUDY DAY OF DEATH: 541 STUDY WEEK OF DEATH: 78 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 07/20/99 14:33 PROSECTOR: LYNN HORNER RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91155 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 276.4 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 11:10 PROSECTOR: TERRI L. WILLIAMS RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0403	.0146 %	.0214	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0436	.0158 %	.0232	WEIGHT TAKEN
BRAIN (BR)	1.8827	.6812 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.0812	.3912 %	.5743	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.1129	.4026 %	.5911	WEIGHT TAKEN
LIVER (LI)	8.6177	3.1178 %	4.5773	WEIGHT TAKEN
LUNG (LU)	1.1623	.4205 %	.6174	WEIGHT TAKEN
LEFT OVARY (OV0)	.0753	.0272 %	.0400	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0530	.0192 %	.0282	WEIGHT TAKEN
SPLEEN (SP)	.4785	.1731 %	.2542	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0163	.0059 %	.0087	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0099	.0036 %	.0053	WEIGHT TAKEN
UTERUS (UT)	.7963	.2881 %	.4230	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91155 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 276.4 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 11:10 PROSECTOR: TERRI L. WILLIAMS RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91156 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/28/99 STUDY DAY OF DEATH: 519 STUDY WEEK OF DEATH: 75 TERMINAL BODY WEIGHT: 575.0 GRAMS
DATE AND TIME OF NECROPSY: 06/28/99 15:42 PROSECTOR: KEVIN BILLINGS RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-RIGHT; VERIFIED AT NECROPSY: NOT OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>SKIN & PELAGE; RED HAIR COAT; PERINEAL AREA; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFLAMMATION, CHRONIC,-SLIGHT, MULTI-FOCAL
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
>EYES; PALE; EYES; VERIFIED AT NECROPSY: NOT APPLICABLE		ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-SLIGHT, FOCAL
		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 10 X 8 X 8 MM, DARK RED, GRAY AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	UTERUS (UT) : -LUMEN FILLED WITH FLUID; BILATERAL: DARK RED FLUID	UTERUS (UT) : -M-HEMANGIOSARCOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91156 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/28/99 STUDY DAY OF DEATH: 519 STUDY WEEK OF DEATH: 75 TERMINAL BODY WEIGHT: 575.0 GRAMS
DATE AND TIME OF NECROPSY: 06/28/99 15:42 PROSECTOR: KEVIN BILLINGS RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	UTERUS (UT) : -LARGE, DIFFUSE; BILATERAL: EACH HORN IS DISTENDED UP TO 15 MM IN DIAMETER WITH A DARK RED FLUID -MASS(ES); ATTACHED TO SEROSAL SURFACE OF PROXIMAL LEFT HORN: SINGLE MASS, 15 MM IN DIAMETER, DARK RED, SOFT AND LOBULATED; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (LUMBAR) NORMAL (CAP 20)	CAUSE OF DEATH (CD) : -HEMANGIOSARCOMA,-PRESENT
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; RED -BLOOD FILM TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91156 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/28/99 STUDY DAY OF DEATH: 519 STUDY WEEK OF DEATH: 75 TERMINAL BODY WEIGHT: 575.0 GRAMS
DATE AND TIME OF NECROPSY: 06/28/99 15:42 PROSECTOR: KEVIN BILLINGS RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN), LN, LUMBAR/ILIAC (LM)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91157 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 387.1 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 13:29 PROSECTOR: GREGORY CODDINGTON RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-SEVERE, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL -PIGMENT,-MINIMAL, MULTI-FOCAL LN, MESENTERIC (MS) : -EDEMA,-MODERATE, FOCAL MARROW, FEMUR (FM) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT
	CERVIX (CV) : -LARGE; 10 MM IN DIAMETER UTERUS (UT) : -CYST(S); MID-PORTION OF LEFT HORN, WITHIN WALL: SINGLE CLEAR FLUID FILLED CYST, 3 MM IN DIAMETER GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	CERVIX (CV) : >UNREMARKABLE UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-MODERATE, MULTI-FOCAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91157 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 387.1 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 13:29 PROSECTOR: GREGORY CODDINGTON RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91158 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/08/99 STUDY DAY OF DEATH: 652 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 708.1 GRAMS
DATE AND TIME OF NECROPSY: 11/08/99 14:10 PROSECTOR: JODI THIEREN RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 68; 110 X 90MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT
>SKIN & PELAGE; SORE/SCAB; PAWS-HIND; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED FOCI, UP TO 4 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MODERATE, FOCAL
		KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
		SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MINIMAL, MULTI-FOCAL
		ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MINIMAL, MULTI-FOCAL -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -VACUOLATION,-MODERATE, FOCAL
		THYMUS (TH) : -CYST,-PRESENT
		HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL -FIBROSIS,-MINIMAL, MULTI-FOCAL
		PITUITARY (PI) : -HEMORRHAGE,-MODERATELY SEVERE, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91158 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/08/99 STUDY DAY OF DEATH: 652 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 708.1 GRAMS
DATE AND TIME OF NECROPSY: 11/08/99 14:10 PROSECTOR: JODI THIEREN RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 7 X 5 X 4 MM, RED, DARK RED, GREY AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
		SKIN (SK) : -INFLAMMATION, ACUTE,-MODERATE, MULTI-FOCAL -ULCERATION,-MODERATELY SEVERE, MULTI-FOCAL
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 115 X 95 X 65 MM (221.5 GRAMS), RED, GREY, TAN, YELLOW, LOBULATED, VASCULAR AND FIRM; SAME ON CUT SURFACE; PORTION COLLECTED; REGIONAL LN (SEE AXILLARY) -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT
	UTERUS (UT) : -MASS(ES); RIGHT, WITHIN LUMEN, EXTENDING INTO CERVIX: SINGLE MASS, 42 X 11 X 11 MM, RED, DARK RED, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (SEE LUMBAR)	UTERUS (UT) : -DILATATION,-SEVERE, FOCAL -B-POLYP, ENDOMETRIAL, STROMAL,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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DATE AND TIME OF NECROPSY: 11/08/99 14:10 PROSECTOR: JODI THIEREN RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LN, LUMBAR/ILIAC (LM) : -LARGE; RIGHT: 7 X 5 X 2 MM (LEFT IS 5 X 2 X 2 MM) -MOTTLED; RIGHT: DARK RED AND TAN (CAP 22) LN, AXILLARY (AX) : -MOTTLED; BILATERAL: RED AND TAN (CAP 21) FOOT/FOOTPAD(S) (FP) : -CRUSTED AREA(S); BILATERAL HINDFEET: SINGLE DRY, RED CRUSTED FOCI ON EACH, EACH IS 3 MM IN DIAMETER; BOTH COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	LN, LUMBAR/ILIAC (LM) : -DILATATION, SINUSOIDAL,-MODERATE, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL LN, AXILLARY (AX) : >UNREMARKABLE FOOT/FOOTPAD(S) (FP) : -EROSION,-MINIMAL, FOCAL -FIBROSIS,-MINIMAL, MULTI-FOCAL -INFLAMMATION, ACUTE,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91158 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/08/99 STUDY DAY OF DEATH: 652 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 708.1 GRAMS
DATE AND TIME OF NECROPSY: 11/08/99 14:10 PROSECTOR: JODI THIEREN RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, RENAL (RL), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91159 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 573.7 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 10:33 PROSECTOR: MICHELE MARGGI RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-LEFT; WEEK 85; 20 X 20MM; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -MOTTLED; ALL LOBES: DARK RED AND TAN	LIVER (LI) : -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL LIVER, OIL RED O (LI1) : -POSITIVE OIL RED O STAINING,-SLIGHT, MULTI-FOCAL KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
	ADRENAL, CORTEX (AC) : -LARGE; LEFT: 6 MM IN DIAMETER (RIGHT IS 4 MM IN DIAMETER)	ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATELY SEVERE, MULTI-FOCAL -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -THROMBUS,-SLIGHT, MULTI-FOCAL
	LN, MESENTERIC (MS) : -DIFFUSELY DARK; DARK GREEN	LN, MESENTERIC (MS) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL, MULTI-FOCAL
	PITUITARY (PI) : -DARK FOCUS(I)/AREA(S); LEFT ASPECT: SINGLE DARK BROWN FOCUS, 2 MM IN DIAMETER	PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) : -GALACTOCELE,-MINIMAL, MULTI-FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91159 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 573.7 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 10:33 PROSECTOR: MICHELE MARGGI RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 30 X 20 X 15 MM, TAN, FIRM AND LOBULATED; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 20) -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	
		URINARY BLADDER (UB) : -B-LEIOMYOMA,-NEOPLASM PRESENT
	UTERUS (UT) : -CYST(S); BILATERAL, WITHIN LUMEN: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 20 X 7 X 7 MM	UTERUS (UT) : -DILATATION,-MINIMAL, DIFFUSE
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91159 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 573.7 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 10:33 PROSECTOR: MICHELE MARGGI RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91160 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 253.1 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 10:55 PROSECTOR: TODD ACKER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0360	.0142 %	.0174	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0349	.0138 %	.0169	WEIGHT TAKEN
BRAIN (BR)	2.0631	.8151 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.0818	.4274 %	.5244	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.1055	.4368 %	.5358	WEIGHT TAKEN
LIVER (LI)	7.7748	3.0718 %	3.7685	WEIGHT TAKEN
LUNG (LU)	1.0340	.4085 %	.5012	WEIGHT TAKEN
LEFT OVARY (OV0)	.0710	.0281 %	.0344	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0450	.0178 %	.0218	WEIGHT TAKEN
SPLEEN (SP)	.3912	.1546 %	.1896	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0086	.0034 %	.0042	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0095	.0038 %	.0046	WEIGHT TAKEN
UTERUS (UT)	.6152	.2431 %	.2982	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

STOMACH, GL (ST) :
-RED FOCUS(I)/AREA(S); MUCOSA: SINGLE
DARK RED AREA, 2 X 1 MM

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

STOMACH, GL (ST) :
>NOT REQUIRED TO BE EXAMINED FOR ANIMAL

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91161 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/22/99 STUDY DAY OF DEATH: 421 STUDY WEEK OF DEATH: 61 TERMINAL BODY WEIGHT: 265.4 GRAMS
DATE AND TIME OF NECROPSY: 03/22/99 13:48 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: NOT OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	SPLEEN (SP) : -SMALL; 3 X 5 X 29 MM	SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT, MULTI-FOCAL
>APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE		OVARY (OV) : -CYST,-PRESENT
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 7 X 8 X 13 MM, SOFT, RED, DARK RED, AND TAN	PITUITARY (PI) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) : -GALACTOCELE,-MINIMAL, MULTI-FOCAL
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY RED MATERIAL -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 03/22/99 13:48 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL INFORMATION (XX) :
>NOTE:>FINAL BODY WEIGHT WAS 265.4
GRAMS; NOT ENTERED AT TIME DEATH
CODE WAS ASSIGNED

HISTOPATHOLOGY

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91162 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 03/20/98 STUDY DAY OF DEATH: 54 STUDY WEEK OF DEATH: 8 TERMINAL BODY WEIGHT: 225.0 GRAMS
DATE AND TIME OF NECROPSY: 03/20/98 10:31 PROSECTOR: WENDY CHERRY RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TERRI L. WILLIAMS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0350	.0156 %	.0185	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0338	.0150 %	.0179	WEIGHT TAKEN
BRAIN (BR)	1.8884	.8393 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	.7299	.3244 %	.3865	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	.7633	.3392 %	.4042	WEIGHT TAKEN
LIVER (LI)	6.5271	2.9009 %	3.4564	WEIGHT TAKEN
LUNG (LU)	1.0618	.4719 %	.5623	WEIGHT TAKEN
LEFT OVARY (OV0)	.0498	.0221 %	.0264	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0596	.0265 %	.0316	WEIGHT TAKEN
SPLEEN (SP)	.4378	.1946 %	.2318	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0071	.0032 %	.0038	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0077	.0034 %	.0041	WEIGHT TAKEN
UTERUS (UT)	.6084	.2704 %	.3222	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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DATE AND TIME OF NECROPSY: 03/20/98 10:31 PROSECTOR: WENDY CHERRY RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TERRI L. WILLIAMS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91163 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 03/20/98 STUDY DAY OF DEATH: 54 STUDY WEEK OF DEATH: 8 TERMINAL BODY WEIGHT: 266.4 GRAMS
DATE AND TIME OF NECROPSY: 03/20/98 9:51 PROSECTOR: WENDY CHERRY RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TERRI L. WILLIAMS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0341	.0128 %	.0159	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0334	.0125 %	.0156	WEIGHT TAKEN
BRAIN (BR)	2.1433	.8045 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	.9469	.3554 %	.4418	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	.9284	.3485 %	.4332	WEIGHT TAKEN
LIVER (LI)	7.0599	2.6501 %	3.2939	WEIGHT TAKEN
LUNG (LU)	1.2105	.4544 %	.5648	WEIGHT TAKEN
LEFT OVARY (OV0)	.0679	.0255 %	.0317	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0764	.0287 %	.0356	WEIGHT TAKEN
SPLEEN (SP)	.5740	.2155 %	.2678	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0056	.0021 %	.0026	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0040	.0015 %	.0019	WEIGHT TAKEN
UTERUS (UT)	.6644	.2494 %	.3100	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 03/20/98 9:51 PROSECTOR: WENDY CHERRY RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TERRI L. WILLIAMS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91164 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/15/99 STUDY DAY OF DEATH: 659 STUDY WEEK OF DEATH: 95 TERMINAL BODY WEIGHT: 481.0 GRAMS
DATE AND TIME OF NECROPSY: 11/15/99 13:52 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 86; 20 X 25MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL -MINERALIZATION,-SLIGHT, FOCAL -TELANGIECTASIS,-MINIMAL, MULTI-FOCAL
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	ADRENAL, CORTEX (AC) : -RED FOCUS(I)/AREA(S); LEFT: SINGLE DARK RED AREA, 3 X 2 MM	ADRENAL, CORTEX (AC) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE		THYMUS (TH) : -CYST,-PRESENT
	PITUITARY (PI) : -MASS(ES); 10 X 7 X 7 MM, RED, DARK RED, TAN AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
		MAMMARY, FEMALE (MF) : -M-CARCINOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91164 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/15/99 STUDY DAY OF DEATH: 659 STUDY WEEK OF DEATH: 95 TERMINAL BODY WEIGHT: 481.0 GRAMS
DATE AND TIME OF NECROPSY: 11/15/99 13:52 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 35 X 20 X 15 MM, RED, DARK RED, TAN, SOFT AND LOBULATED; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; YELLOW AND MOIST -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: RED, DRY MATERIAL	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91164 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/15/99 STUDY DAY OF DEATH: 659 STUDY WEEK OF DEATH: 95 TERMINAL BODY WEIGHT: 481.0 GRAMS
DATE AND TIME OF NECROPSY: 11/15/99 13:52 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91165 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 228.4 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 8:45 PROSECTOR: TODD ACKER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	6.8342	2.9922 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LEFT OVARY (OV0)	--------	--------	--------	NOT TAKEN
RIGHT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT THYROID/PAR (TT0)	--------	--------	--------	NOT TAKEN
RIGHT THYROID/PR (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91165 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 228.4 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 8:45 PROSECTOR: TODD ACKER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91166 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 577.9 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 11:03 PROSECTOR: JODI THIEREN RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE AREAS, UP TO 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS LN, MESENTERIC (MS) : -LARGE; DIFFUSE: UP TO 5 MM IN DIAMETER	BRAIN (BR) : >UNREMARKABLE LIVER (LI) : -TELANGIECTASIS,-MODERATE, MULTI-FOCAL KIDNEY (KD) : -CAST, PROTEINACEOUS,-SLIGHT, MULTI-FOCAL -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT, MULTI-FOCAL -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -PIGMENT,-MINIMAL, MULTI-FOCAL LN, MESENTERIC (MS) : >UNREMARKABLE LUNG (LU) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91166 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 577.9 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 11:03 PROSECTOR: JODI THIEREN RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		HEART (HT) : -FIBROSIS,-MINIMAL, MULTI-FOCAL THYROID (TY) : -CYST, FOLLICULAR,-MODERATE, FOCAL
	PITUITARY (PI) : -MASS(ES); 8 X 5 X 4 MM, RED, DARK RED, GRAY, LOBULATED, AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -PIGMENT,-MINIMAL, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	SKIN (SK) : >NOTE:>SECTION TAKEN FROM RIGHT SIDE DUE TO MAMMARY GLAND MASS	
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 57 X 40 X 23 MM, RED, TAN, LOBULATED, AND SOFT; ON SECTION EXUDES A TAN CREAMY SEMISOLID; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION >NOTE:>SECTION TAKEN FROM RIGHT SIDE DUE TO MAMMARY GLAND MASS	MAMMARY, FEMALE (MF) : -GALACTOCELE,-SEVERE, MULTI-FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT
	UTERUS (UT) : -CYST(S); BILATERAL, WITHIN LUMEN: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 8 X 5 X 5 MM	UTERUS (UT) : -DILATATION,-MODERATELY SEVERE, DIFFUSE
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91166 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 577.9 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 11:03 PROSECTOR: JODI THIEREN RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: DARK RED (CAP 20) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	LN, MANDIBULAR (MN) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91167 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/12/00 STUDY DAY OF DEATH: 717 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/12/00 10:03 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; SWOLLEN; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED >MASS(ES); DORSAL; WEEK 82; 40 X 45MM; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; LIMITED USE; PAW-HIND-LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) KIDNEY (KD) : -LARGE PELVIS(ES); BILATERAL -CALCULUS(I); BILATERAL, WITHIN PELVIS: MULTIPLE TAN AND FIRM CALCULI, UP TO 4 MM IN DIAMETER

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91167 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/12/00 STUDY DAY OF DEATH: 717 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/12/00 10:03 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		HEART (HT) : -FIBROSIS,-MINIMAL, MULTI-FOCAL
		THYROID (TY) : -CYST, FOLLICULAR,-MODERATE, FOCAL -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 10 X 8 X 6 MM, DARK RED, TAN, AND SOFT	PITUITARY (PI) : -CYST,-PRESENT -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	JEJUNUM (JE) : -DIVERTICULUM(A); MID JEJUNUM: SINGLE DARK RED AND TAN AREA, 12 X 10 X 10 MM; COLLECTED ON ROUTINE SECTION	JEJUNUM (JE) : -B-ANGIOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 60 X 45 X 30 MM, TAN, LOBULATED AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 22)	MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,-NEOPLASM PRESENT
	UTERUS (UT) : -CYST(S); LEFT, WITHIN WALL: SINGLE CLEAR FLUID FILLED CYST, 5 X 4 X 4 MM	UTERUS (UT) : -DILATATION,-MODERATE, FOCAL
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	JOINT, OTHER (JT) : -LARGE; LEFT TARSAL JOINT: UP TO 15 MM IN DIAMETER; COLLECTED	JOINT, OTHER (JT) : -EXOSTOSES,-MODERATE, MULTI-FOCAL -INFLAMMATION, CHRONIC,-SLIGHT, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91167 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/12/00 STUDY DAY OF DEATH: 717 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/12/00 10:03 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-ANIMAL OBESE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91168 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/05/99 STUDY DAY OF DEATH: 588 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 294.4 GRAMS
DATE AND TIME OF NECROPSY: 09/05/99 16:29 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED >BEHAVIOR; SENSITIVE TO TOUCH; VERIFIED AT NECROPSY: NOT APPLICABLE >APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED >EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE >APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MINIMAL, FOCAL -VACUOLATION, HEPATOCELLULAR,-MINIMAL, FOCAL KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL
	THYROID (TY) : -MASS(ES); INVOLVING ENTIRE LEFT THYROID: SINGLE MASS, 8 X 5 X 5 MM, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (MANDIBULAR) NORMAL	THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT -M-CARCINOMA, C-CELL,-NEOPLASM PRESENT PARATHYROID (PT) : >SECTION EXAMINED; TISSUE NOT PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91168 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/05/99 STUDY DAY OF DEATH: 588 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 294.4 GRAMS
DATE AND TIME OF NECROPSY: 09/05/99 16:29 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 11 X 6 X 6 MM, DARK RED, RED, TAN AND FIRM	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL CAUSE OF DEATH (CD) : -C-CELL CARCINOMA,-PRESENT
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; MOIST BROWN MATERIAL -BLOOD FILM TAKEN -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91168 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/05/99 STUDY DAY OF DEATH: 588 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 294.4 GRAMS
DATE AND TIME OF NECROPSY: 09/05/99 16:29 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91169 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 199.6 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 11:19 PROSECTOR: TODD ACKER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	6.3263	3.1695 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LEFT OVARY (OV0)	--------	--------	--------	NOT TAKEN
RIGHT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT THYROID/PAR (TT0)	--------	--------	--------	NOT TAKEN
RIGHT THYROID/PR (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91169 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 199.6 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 11:19 PROSECTOR: TODD ACKER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91170 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/05/99 STUDY DAY OF DEATH: 618 STUDY WEEK OF DEATH: 89 TERMINAL BODY WEIGHT: 258.8 GRAMS
DATE AND TIME OF NECROPSY: 10/05/99 14:33 PROSECTOR: JILL PAUS RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

ADRENAL, CORTEX (AC) :
-DIFFUSELY RED; RIGHT: DARK RED
-LARGE; RIGHT: 7 MM IN DIAMETER (LEFT IS 4 X 3 X 2 MM)

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
-DILATATION, VENTRICULAR,-PRESENT
LIVER (LI) :
-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
KIDNEY (KD) :
-MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL
PANCREAS (PA) :
-PIGMENT,-MINIMAL, MULTI-FOCAL
ADRENAL, CORTEX (AC) :
-DEGENERATION, CYSTIC, CORTICAL,-MODERATELY SEVERE, MULTI-FOCAL
-HEMORRHAGE,-MODERATE, MULTI-FOCAL
-PIGMENT,-MINIMAL, MULTI-FOCAL
THYMUS (TH) :
-CYST,-PRESENT
LUNG (LU) :
-INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL, MULTI-FOCAL
-MINERALIZATION, VASCULAR,-MINIMAL, FOCAL
PITUITARY (PI) :
-CYST,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91170 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/05/99 STUDY DAY OF DEATH: 618 STUDY WEEK OF DEATH: 89 TERMINAL BODY WEIGHT: 258.8 GRAMS
DATE AND TIME OF NECROPSY: 10/05/99 14:33 PROSECTOR: JILL PAUS RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 12 X 7 X 5 MM, RED, DARK RED, TAN, SOFT, AND LOBULATED	PITUITARY (PI) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATE, MULTI-FOCAL -PIGMENT,-MODERATE, MULTI-FOCAL CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	LN, MANDIBULAR (MN) : -LARGE; LEFT: 11 X 7 X 3 MM (RIGHT IS 4 X 3 X 2 MM); COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL UPPER AND LOWER INCISORS -ANIMAL THIN	LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOCYTIC,-MODERATE, DIFFUSE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91170 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/05/99 STUDY DAY OF DEATH: 618 STUDY WEEK OF DEATH: 89 TERMINAL BODY WEIGHT: 258.8 GRAMS
DATE AND TIME OF NECROPSY: 10/05/99 14:33 PROSECTOR: JILL PAUS RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91171 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 186.2 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 10:39 PROSECTOR: DONIA MEYER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	5.8384	3.1356 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LEFT OVARY (OV0)	--------	--------	--------	NOT TAKEN
RIGHT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT THYROID/PAR (TT0)	--------	--------	--------	NOT TAKEN
RIGHT THYROID/PR (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91171 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 186.2 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 10:39 PROSECTOR: DONIA MEYER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91172 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 456.2 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 13:59 PROSECTOR: TONY HANFELD RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: NOT OBSERVED
>SKIN & PELAGE; SORE/SCAB; PAWS-HIND; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; MISSING; TEETH; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

LIVER (LI) :
-RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE RED AREAS, UP TO 5 X 4 MM; COLLECTED ON ROUTINE SECTIONS

HISTOPATHOLOGY

EYE (EY) :
-ULCERATION, CORNEAL,-MINIMAL, FOCAL
LIVER (LI) :
-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
KIDNEY (KD) :
-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
-MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
PANCREAS (PA) :
-ATROPHY, ACINAR,-SLIGHT, FOCAL
-HYPERPLASIA, ACINAR,-MINIMAL, FOCAL
ADRENAL, CORTEX (AC) :
-ANGIECTASIS,-SLIGHT, MULTI-FOCAL
-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
PITUITARY (PI) :
-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
-B-ADENOMA,-NEOPLASM PRESENT
HARDERIAN GLAND (HG) :
-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
-INFLAMMATION, CHRONIC,-SLIGHT, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91172 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 456.2 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 13:59 PROSECTOR: TONY HANFELD RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION UTERUS (UT) : -CYST(S); BILATERAL, WITHIN WALLS: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 3 MM IN DIAMETER FOOT/FOOTPAD(S) (FP) : -CRUSTED AREA(S); BILATERAL, HINDFEET: SINGLE RED AND TAN CRUSTED AREA ON EACH, EACH IS 3 MM IN DIAMETER; BOTH COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -TEETH MISSING/BROKEN/WORN; BILATERAL, UPPER INCISORS: BROKEN AT BASE	MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL UTERUS (UT) : -DILATATION,-MODERATELY SEVERE, MULTI-FOCAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT FOOT/FOOTPAD(S) (FP) : -EDEMA,-MODERATE, MULTI-FOCAL -EROSION,-MODERATE, MULTI-FOCAL -INFLAMMATION, ACUTE,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91172 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 456.2 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 13:59 PROSECTOR: TONY HANFELD RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
BRAIN (BR), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91173 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/05/99 STUDY DAY OF DEATH: 404 STUDY WEEK OF DEATH: 58 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/05/99 10:23 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) :	BRAIN (BR) :
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>DISCHARGE; NASAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED		-DILATATION, VENTRICULAR,-PRESENT
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: NOT OBSERVED		KIDNEY (KD) :
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED		-MINERALIZATION, TUBULAR,-MINIMAL, MULTI-FOCAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		ADRENAL, CORTEX (AC) :
		-ANGIECTASIS,-MINIMAL, MULTI-FOCAL
		-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
		THYROID (TY) :
		-B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 10 MM IN DIAMETER, DARK RED AND TAN	-HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL
		-PIGMENT,-MINIMAL, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
		STOMACH, NONGL (SU) :
		-EDEMA,-MINIMAL, FOCAL
		SKIN (SK) :
		-CYST, EPIDERMAL INCLUSION,-PRESENT
	MAMMARY, FEMALE (MF) :	MAMMARY, FEMALE (MF) :
	-CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE TAN AND CREAMY FLUID FILLED CYSTS, UP TO 6 MM IN DIAMETER (CAP 20)	-GALACTOCELE,-MODERATELY SEVERE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91173 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED -DISCHARGE-NASAL; BILATERAL: DARK RED	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91173 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
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DATE AND TIME OF NECROPSY: 03/05/99 10:23 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91174 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 256.6 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 13:05 PROSECTOR: TODD ACKER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0350	.0136 %	.0173	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0298	.0116 %	.0148	WEIGHT TAKEN
BRAIN (BR)	2.0196	.7871 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.0395	.4051 %	.5147	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	.9432	.3676 %	.4670	WEIGHT TAKEN
LIVER (LI)	7.3862	2.8785 %	3.6573	WEIGHT TAKEN
LUNG (LU)	1.2895	.5025 %	.6385	WEIGHT TAKEN
LEFT OVARY (OV0)	.0904	.0352 %	.0448	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0654	.0255 %	.0324	WEIGHT TAKEN
SPLEEN (SP)	.4707	.1834 %	.2331	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0067	.0026 %	.0033	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0060	.0023 %	.0030	WEIGHT TAKEN
UTERUS (UT)	.5262	.2051 %	.2605	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

OVARY (OV) :
-CYST(S); LEFT: SINGLE RED FLUID FILLED CYST, 8 MM IN DIAMETER

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

LIVER (LI) :
-HEMORRHAGE,-MODERATE, FOCAL
OVARY (OV) :
>UNREMARKABLE

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91175 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/17/99 STUDY DAY OF DEATH: 600 STUDY WEEK OF DEATH: 86 TERMINAL BODY WEIGHT: 514.4 GRAMS
DATE AND TIME OF NECROPSY: 09/17/99 15:00 PROSECTOR: TERRI L. WILLIAMS RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-LEFT; WEEK 74; 50 X 45MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE	KIDNEY (KD) :	KIDNEY (KD) :
	-LARGE PELVIS(ES); RIGHT	-DILATATION, PELVIC,-PRESENT
>EYES; RED DISCHARGE; EYE-LEFT; VERIFIED AT NECROPSY: OBSERVED	-GRANULAR MATERIAL; RIGHT, WITHIN PELVIS: TAN GRANULAR MATERIAL	-MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE		ADRENAL, CORTEX (AC) :
		-ANGIECTASIS,-MODERATELY SEVERE, MULTI-FOCAL
		-HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 10 7 X 6 MM, RED, DARK RED, TAN AND SOFT	-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) :	MAMMARY, FEMALE (MF) :
	-MASS(ES); LEFT AXILLARY REGION: MULTIPLE MASSES, UP TO 40 X 35 X 25 MM, ALL ARE RED, DARK RED, TAN, LOBULATED AND FIRM; SOME SECTIONS EXUDE A TAN SEMIFLUID; PORTION COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 21)	-GALACTOCELE,-SEVERE, MULTI-FOCAL
		-B-FIBROADENOMA,-NEOPLASM PRESENT
	-THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-DISCHARGE-OCULAR; LEFT: RED

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91176 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 445.2 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 11:10 PROSECTOR: TONY HANFELD RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; SWOLLEN; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; LIMITED USE; PAW-HIND-LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LIVER (LI) : -ADHESION(S); RIGHT LATERAL LOBE TO RIGHT MEDIAN LOBE: MULTIPLE TAN FIBROUS ADHESIONS; COLLECTED ON ROUTINE SECTION ADRENAL, CORTEX (AC) : -LARGE; LEFT: 7 X 6 X 5 MM (RIGHT IS 4 X 3 X 2 MM) PITUITARY (PI) : -MASS(ES); 9 X 7 X 6 MM, RED, DARK RED, TAN AND SOFT	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT LIVER (LI) : -FIBROSIS, CAPSULAR,-MODERATE, FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL -NECROSIS, HEPATOCELLULAR,-MODERATELY SEVERE, FOCAL -VACUOLATION, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL KIDNEY (KD) : -MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT, MULTI-FOCAL ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-SEVERE, FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -VACUOLATION,-SLIGHT, MULTI-FOCAL THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		STOMACH, GL (ST) : -EDEMA,-MODERATELY SEVERE, FOCAL
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: SINGLE BROWN ERODED AREA, 4 X 2 MM -THICKENED WALL; DIFFUSE	STOMACH, NONGL (SU) : -EDEMA,-MODERATELY SEVERE, FOCAL -EROSION,-MODERATELY SEVERE, FOCAL
	SKIN (SK) : >NOTE:>TRIMMING COMMENT: MISSING AT TRIMMING	SKIN (SK) : >TISSUE MISSING
	MAMMARY, FEMALE (MF) : >NOTE:>TRIMMING COMMENT: MISSING AT TRIMMING	MAMMARY, FEMALE (MF) : >TISSUE MISSING
	UTERUS (UT) : -MASS(ES); SEROSAL SURFACE OF LEFT HORN: SINGLE MASS, 4 X 3 X 3 MM, TAN AND FIRM; COLLECTED INTACT; REGIONAL LN (LUMBAR) NORMAL (CAP 20)	UTERUS (UT) : -B-LEIOMYOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
		LN, MEDIASTINAL (ML) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL >NOTE:>MEDIASTINAL LYMPH NODE WAS PRESENT ON THYMUS SECTION
	JOINT, OTHER (JT) : -LARGE; LEFT TARSAL JOINT: 20 X 9 X 8 MM (RIGHT IS 10 X 6 X 5 MM); COLLECTED	JOINT, OTHER (JT) : -EXOSTOSES,-SLIGHT, MULTI-FOCAL -FIBROSIS,-MODERATE, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91176 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 445.2 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 11:10 PROSECTOR: TONY HANFELD RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN), LN, LUMBAR/ILIAC (LM)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91177 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/08/99 STUDY DAY OF DEATH: 652 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 626.3 GRAMS
DATE AND TIME OF NECROPSY: 11/08/99 14:10 PROSECTOR: TONY HANFELD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-LEFT; WEEK 63; 130 X 110MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) :
		-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
		ADRENAL, CORTEX (AC) :
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED		-ANGIECTASIS,-SLIGHT, MULTI-FOCAL
		-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
		OVARY (OV) :
		-CYST,-PRESENT
		SKIN (SK) :
		-FAT NECROSIS,-MODERATE, MULTI-FOCAL
		-B-LIPOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) :	MAMMARY, FEMALE (MF) :
	-MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 145 X 110 X 50 MM (274.3 GRAMS), TAN, RED, DARK RED, VASCULAR, LOBULATED AND SOFT; SAME ON CUT SURFACE; PORTION COLLECTED; REGIONAL LN (SEE AXILLARY)	>UNREMARKABLE
		CAUSE OF DEATH (CD) :
		-LIPOMA,-PRESENT
	LN, AXILLARY (AX) :	LN, AXILLARY (AX) :
	-LARGE; LEFT: UP TO 11 X 6 X 3 MM (RIGHT IS UP TO 7 X 4 X 2 MM) (CAP 21)	>UNREMARKABLE
	GENERAL COMMENT (GC) :	
	-BLOOD FILM TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91177 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/08/99 STUDY DAY OF DEATH: 652 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 626.3 GRAMS
DATE AND TIME OF NECROPSY: 11/08/99 14:10 PROSECTOR: TONY HANFELD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91178 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/18/99 STUDY DAY OF DEATH: 631 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: 370.8 GRAMS
DATE AND TIME OF NECROPSY: 10/18/99 13:53 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: NOT OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		-DILATATION, VENTRICULAR,-PRESENT
		KIDNEY (KD) :
>MASS(ES); VENTRAL-ABDOMINAL; WEEK 90; 10 X 10MM; VERIFIED AT NECROPSY: NOT OBSERVED		-MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL
		ADRENAL, CORTEX (AC) :
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		-ANGIECTASIS,-SLIGHT, MULTI-FOCAL
		-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
>APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE		LN, MESENTERIC (MS) :
		-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL, MULTI-FOCAL
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE	OVARY (OV) :	OVARY (OV) :
	-CYST(S); LEFT: SINGLE CLEAR FLUID FILLED CYST, 5 MM IN DIAMETER	-CYST,-PRESENT
		THYMUS (TH) :
		-CYST,-PRESENT
	LUNG (LU) :	LUNG (LU) :
	-DIFFUSELY RED; ALL LOBES: DARK RED	-MINERALIZATION, VASCULAR,-SLIGHT, FOCAL
		PARATHYROID (PT) :
		>SECTION EXAMINED; TISSUE NOT PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 10 X 8 7 MM, RED, DARK RED, TAN, LOBULATED, AND SOFT	-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91178 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/18/99 STUDY DAY OF DEATH: 631 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: 370.8 GRAMS
DATE AND TIME OF NECROPSY: 10/18/99 13:53 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MAMMARY, FEMALE (MF) : -GALACTOCELE,-MINIMAL, MULTI-FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL; COLLECTED	LN, MANDIBULAR (MN) : >UNREMARKABLE
		LN, MEDIASTINAL (ML) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL, MULTI-FOCAL >NOTE:>MEDIASTINAL LYMPH NODE WAS PRESENT ON THYMUS SECTION
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91178 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/18/99 STUDY DAY OF DEATH: 631 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: 370.8 GRAMS
DATE AND TIME OF NECROPSY: 10/18/99 13:53 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91179 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/15/98 STUDY DAY OF DEATH: 324 STUDY WEEK OF DEATH: 47 TERMINAL BODY WEIGHT: 370.2 GRAMS
DATE AND TIME OF NECROPSY: 12/15/98 12:14 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 36; 65 X 50MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 38; 80 X 65MM; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; SORE/SCAB; VENTRAL-CERVICAL; VERIFIED AT NECROPSY: NOT OBSERVED
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL, MULTI-FOCAL
-NECROSIS, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL
SPLEEN (SP) :
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE, DIFFUSE
PANCREAS (PA) :
-ATROPHY, ACINAR,-MODERATE, FOCAL
ADRENAL, CORTEX (AC) :
-DEGENERATION, CYSTIC, CORTICAL,-MODERATE, FOCAL
-HEMORRHAGE,-SLIGHT, FOCAL
THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC,-MODERATE, DIFFUSE
HEART (HT) :
-DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL
MUSCLE, SKELETAL (SM) :
-DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL
THYROID (TY) :
-CYST, ULTIMOBRANCHIAL,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91179 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/15/98 STUDY DAY OF DEATH: 324 STUDY WEEK OF DEATH: 47 TERMINAL BODY WEIGHT: 370.2 GRAMS
DATE AND TIME OF NECROPSY: 12/15/98 12:14 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PITUITARY (PI) : -HEMORRHAGE,-MINIMAL, FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, NONGL (SU) : -LIGHT FOCUS(I)/AREA(S); MUCOSA: MULTIPLE TAN AREAS, 1 MM IN DIAMETER	STOMACH, NONGL (SU) : -EDEMA,-MINIMAL, MULTI-FOCAL -EROSION,-MODERATE, MULTI-FOCAL -INFLAMMATION, ACUTE,-SLIGHT, MULTI-FOCAL
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 75 X 63 X 45 MM, RED, DARK RED, TAN, FIRM AND LOBULATED; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (AXILLARY) NORMAL (CAP 21) -CYST(S); VENTRAL CERVICAL REGION: MULTIPLE TAN AND CREAMY SEMI-FLUID FILLED CYSTS, UP TO 8 MM IN DIAMETER (CAP 22) -MASS #2; RIGHT INGUINAL REGION: SINGLE MASS, 60 X 60 X 20 MM, TAN, LOBULATED AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -GALACTOCELE,-SEVERE, MULTI-FOCAL -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT -M-FIBROSARCOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -MAMMARY FIBROADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91179 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/15/98 STUDY DAY OF DEATH: 324 STUDY WEEK OF DEATH: 47 TERMINAL BODY WEIGHT: 370.2 GRAMS
DATE AND TIME OF NECROPSY: 12/15/98 12:14 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91180 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/16/99 STUDY DAY OF DEATH: 446 STUDY WEEK OF DEATH: 64 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/16/99 13:36 PROSECTOR: STEVE VAN ADESTINE RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 32; 150 X 120MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -NECROSIS, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL KIDNEY (KD) : -MINERALIZATION, TUBULAR,-SLIGHT, MULTI-FOCAL SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE, DIFFUSE ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL OVARY (OV) : -MINERALIZATION,-MINIMAL, MULTI-FOCAL THYMUS (TH) : -CYST,-PRESENT
	PITUITARY (PI) : -DARK FOCUS(I)/AREA(S); RIGHT ANTERIOR ASPECT: SINGLE BROWN LINEAR AREA, 3 X LESS THAN 1 MM -LARGE; 7 X 7 X 5 MM, APPEARS SWOLLEN	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91180 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/16/99 STUDY DAY OF DEATH: 446 STUDY WEEK OF DEATH: 64 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/16/99 13:36 PROSECTOR: STEVE VAN ADESTINE RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-SLIGHT, MULTI-FOCAL
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT INGUINAL REGION: SINGLE MASS, 120 X 90 X 40 MM (242.0 GRAMS), RED, DARK RED, TAN, FIRM, AND LOBULATED; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (SEE INGUINAL) -CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE TAN CREAMY SEMIFLUID FILLED CYSTS, UP TO 4 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATE, DIFFUSE -MINERALIZATION,-MINIMAL, MULTI-FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	LN, INGUINAL (IN) : -LARGE; RIGHT: 10 X 5 X 2 MM (FOR COMPARISON, LEFT IS 5 X 2 X 1 MM) (CAP 20) -DIFFUSELY RED; BILATERAL	LN, INGUINAL (IN) : -HYPERPLASIA, LYMPHOCYTIC,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 04/16/99 13:36 PROSECTOR: STEVE VAN ADESTINE RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91181 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 302.8 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 11:31 PROSECTOR: MICHELE MARGGI RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0283	.0093 %	.0146	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0357	.0118 %	.0185	WEIGHT TAKEN
BRAIN (BR)	1.9333	.6385 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.0638	.3513 %	.5503	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.0540	.3481 %	.5452	WEIGHT TAKEN
LIVER (LI)	9.3987	3.1039 %	4.8615	WEIGHT TAKEN
LUNG (LU)	1.2459	.4115 %	.6444	WEIGHT TAKEN
LEFT OVARY (OV0)	.0782	.0258 %	.0404	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0859	.0284 %	.0444	WEIGHT TAKEN
SPLEEN (SP)	.4567	.1508 %	.2362	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0079	.0026 %	.0041	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0102	.0034 %	.0053	WEIGHT TAKEN
UTERUS (UT)	.5781	.1909 %	.2990	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91182 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/27/99 STUDY DAY OF DEATH: 610 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: 316.1 GRAMS
DATE AND TIME OF NECROPSY: 09/27/99 12:35 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) :
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		-HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL
>MASS(ES); INGUINAL REGION-LEFT; WEEK 87; 10 X 15MM; VERIFIED AT NECROPSY: OBSERVED		-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		-VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL
		KIDNEY (KD) :
		-MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
		-PYELONEPHRITIS,-SLIGHT, MULTI-FOCAL
	ADRENAL, CORTEX (AC) :	ADRENAL, CORTEX (AC) :
	-RED FOCUS(I)/AREA(S); BILATERAL: MULTIPLE DARK RED, PINPOINT FOCI, UP TO 4 X 2 MM	-DEGENERATION, CYSTIC, CORTICAL,-MODERATE, MULTI-FOCAL
		-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
		-PIGMENT,-MINIMAL, FOCAL
		-THROMBUS,-SLIGHT, FOCAL
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 15 X 9 X 7 MM, RED, DARK RED, TAN, SOFT AND LOBULATED	-B-ADENOMA,-NEOPLASM PRESENT
		STOMACH, GL (ST) :
		-EROSION,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 20 X 17 X 8 MM, RED, DARK RED, TAN AND FIRM; SAME ON CUT SURFACE (CAP 21); REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -M-CARCINOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; YELLOW AND MOIST MATERIAL -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED, DRY MATERIAL -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91183 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 596.5 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 11:15 PROSECTOR: JODI THIEREN RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL
	KIDNEY (KD) : -LARGE PELVIS(ES); LEFT	KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -DILATATION, PELVIC,-PRESENT -MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -PIGMENT,-MINIMAL, FOCAL -THROMBUS,-MINIMAL, FOCAL THYMUS (TH) : -CYST,-PRESENT THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT -HEMORRHAGE,-SLIGHT, FOCAL -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 9 X 5 X 5 MM, DARK RED, TAN AND FIRM	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE TAN AND CREAMY SEMIFLUID FILLED CYSTS, UP TO 4 MM IN DIAMETER (CAP 20) -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT
		URINARY BLADDER (UB) : -M-CARCINOMA, TRANSITIONAL CELL,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	ADIPOSE TISSUE (AT) : -MASS(ES); ATTACHED TO ADIPOSE TISSUE NEAR URINARY BLADDER: SINGLE MASS, 22 X 12 X 10 MM, RED, DARK RED, LOBULATED AND VASCULAR; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (LUMBAR) NORMAL (CAP 21)	ADIPOSE TISSUE (AT) : -I-TRANSITIONAL CELL CARCINOMA,-NEOPLASM PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 01/25/00 11:15 PROSECTOR: JODI THIEREN RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN), LN, LUMBAR/ILIAC (LM)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91184 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/16/99 STUDY DAY OF DEATH: 629 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: 456.9 GRAMS
DATE AND TIME OF NECROPSY: 10/16/99 7:38 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
	LIVER (LI) : -DIFFUSELY LIGHT; ALL LOBES: TAN	LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-SEVERE, DIFFUSE
	KIDNEY (KD) : -GRANULAR MATERIAL; RIGHT, WITHIN PELVIS: MULTIPLE TAN AND FIRM GRANULES	KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL
	ADRENAL, CORTEX (AC) : -LARGE; LEFT: 7 MM IN DIAMETER (RIGHT IS 4 MM IN DIAMETER)	ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE, MULTI-FOCAL -DEGENERATION, CYSTIC, CORTICAL,-MODERATELY SEVERE, FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL
		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, MULTI-FOCAL
		HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL -FIBROSIS,-MINIMAL, MULTI-FOCAL
		THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91184 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

PITUITARY (PI) :
-MASS(ES); 11 X 9 X 8 MM, RED, DARK RED AND SOFT
STOMACH, GL (ST) :
-EROSION/ULCERATION; MUCOSA: MULTIPLE DARK BROWN ERODED AREAS, UP TO 3 X 2 MM
CECUM (CE) :
-SMALL; 30 X 6 X 6 MM
MAMMARY, FEMALE (MF) :
-THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTIONS
UTERUS (UT) :
-THICKENED WALL; BILATERAL, DIFFUSE
VAGINA (VA) :
-SEMIFLUID MATERIAL; WITHIN LUMEN: GREEN MUCOID SEMIFLUID MATERIAL

FOOT/FOOTPAD(S) (FP) :
-CRUSTED AREA(S); LEFT HINDFOOT: SINGLE DRY, DARK RED CRUSTED AREA, 10 X 8 MM; COLLECTED

GENERAL COMMENT (GC) :
-STAINS-PERINEUM/PERIANAL; PERINEUM: DRY, YELLOW MATERIAL
-BLOOD FILM TAKEN

HISTOPATHOLOGY

PITUITARY (PI) :
-B-ADENOMA,-NEOPLASM PRESENT

STOMACH, GL (ST) :
>UNREMARKABLE

CECUM (CE) :
>UNREMARKABLE
MAMMARY, FEMALE (MF) :
-HYPERPLASIA, GLANDULAR,-SLIGHT, DIFFUSE

UTERUS (UT) :
-DILATATION,-MINIMAL, FOCAL
VAGINA (VA) :
>UNREMARKABLE

CAUSE OF DEATH (CD) :
-PITUITARY ADENOMA,-PRESENT
FOOT/FOOTPAD(S) (FP) :
-EROSION,-MODERATE, FOCAL
-FIBROSIS,-SLIGHT, FOCAL
-INFLAMMATION, ACUTE,-MODERATELY SEVERE, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91184 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-DISCHARGE-OCULAR; BILATERAL: DRY, RED MATERIAL

HISTOPATHOLOGY

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91185 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/04/99 STUDY DAY OF DEATH: 464 STUDY WEEK OF DEATH: 67 TERMINAL BODY WEIGHT: 217.6 GRAMS
DATE AND TIME OF NECROPSY: 05/04/99 14:14 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	KIDNEY (KD) :	-DILATATION, VENTRICULAR,-PRESENT
>SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE	-MOTTLED; BILATERAL: BROWN AND DARK BROWN	KIDNEY (KD) :
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		-MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL
		SPLEEN (SP) :
		-PIGMENT, INCREASED,-MODERATE, MULTI-FOCAL
		OVARY (OV) :
		-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 13 X 10 X 10 MM, RED, DARK RED, GRAY, AND SOFT	-B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) :
		-ONE EXAMINED,-PRESENT
	STOMACH, NONGL (SU) :	STOMACH, NONGL (SU) :
	-EROSION/ULCERATION; MUCOSA: MULTIPLE, WHITE, ERODED AREAS, UP TO 4 X 3 MM	-EDEMA,-MINIMAL, FOCAL
		-INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL, MULTI-FOCAL
		MAMMARY, FEMALE (MF) :
		-GALACTOCELE,-MODERATE, MULTI-FOCAL
		-B-FIBROADENOMA,-NEOPLASM PRESENT
		UTERUS (UT) :
		>UNREMARKABLE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 05/04/99 14:14 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	UTERUS (UT) : -CYST(S); BILATERAL, WITHIN WALLS: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 2 MM IN DIAMETER	
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED AND CRUSTED -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE OF DEATH: 05/04/99 STUDY DAY OF DEATH: 464 STUDY WEEK OF DEATH: 67 TERMINAL BODY WEIGHT: 217.6 GRAMS
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91186 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/06/99 STUDY DAY OF DEATH: 680 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: 488.8 GRAMS
DATE AND TIME OF NECROPSY: 12/06/99 13:51 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); INGUINAL REGION-LEFT; WEEK 76; 90 X 80MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
		-DILATATION, VENTRICULAR,-PRESENT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) :
		-FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MINIMAL, FOCAL
		-HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL
		-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
>SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) :
		-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
		-MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL
		SPLEEN (SP) :
		-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE, MULTI-FOCAL
	ADRENAL, CORTEX (AC) :	ADRENAL, CORTEX (AC) :
	-LARGE; LEFT: 6 X 5 X 5 MM (RIGHT IS 4 X 4 X 3 MM)	-ANGIECTASIS,-SLIGHT, MULTI-FOCAL
		-DEGENERATION, CYSTIC, CORTICAL,-MODERATELY SEVERE, MULTI-FOCAL
		-HEMORRHAGE,-SLIGHT, MULTI-FOCAL

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LN, MESENTERIC (MS) : -INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT, MULTI-FOCAL OVARY (OV) : -ONE EXAMINED,-PRESENT HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL THYROID (TY) : -HYPERPLASIA, C-CELL,-SLIGHT, FOCAL
	PITUITARY (PI) : -MASS(ES); 10 X 8 X 6 MM, DARK RED, TAN AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL CECUM (CE) : -PARASITISM,-PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT ABDOMINAL REGION: SINGLE MASS, 90 X 70 X 55 MM (205.9 GRAMS), TAN, RED, SOFT AND VASCULAR; SAME ON CUT SURFACE; REGIONAL LN (INGUINAL) NOT IDENTIFIED -CYST(S); VENTRAL THORACIC REGION AND RIGHT INGUINAL REGION: MULTIPLE TAN, CREAMY SEMIFLUID FILLED CYSTS, UP TO 15 X 10 X 10 MM (CAPS 21 AND 22)	MAMMARY, FEMALE (MF) : -GALACTOCELE,-SEVERE, MULTI-FOCAL -MINERALIZATION,-MODERATE, MULTI-FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -THICKENED; ALL REGIONS, DIFFUSE: TAN AND SOFT (CAP 23)	
		CAUSE OF DEATH (CD) : -MAMMARY FIBROADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91187 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/18/99 STUDY DAY OF DEATH: 509 STUDY WEEK OF DEATH: 73 TERMINAL BODY WEIGHT: 257.8 GRAMS
DATE AND TIME OF NECROPSY: 06/18/99 14:45 PROSECTOR: TERRI L. WILLIAMS RECORDER: DONIA MEYER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); AXILLARY REGION-LEFT; WEEK 71; 25 X 25MM; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE
>EYES; RED DISCHARGE; EYE-RIGHT; VERIFIED AT NECROPSY: OBSERVED
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
-DILATATION, VENTRICULAR,-PRESENT
KIDNEY (KD) :
-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
-MINERALIZATION, TUBULAR,-MINIMAL, MULTI-FOCAL
ADRENAL, CORTEX (AC) :
-ANGIECTASIS,-SLIGHT, MULTI-FOCAL
-DEGENERATION, CYSTIC, CORTICAL,-MODERATELY SEVERE, FOCAL
-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
-PIGMENT,-MINIMAL, MULTI-FOCAL
OVARY (OV) :
-MINERALIZATION,-MINIMAL, FOCAL
LUNG (LU) :
-INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL, MULTI-FOCAL
-MINERALIZATION, VASCULAR,-MINIMAL, FOCAL
THYROID (TY) :
-CYST, ULTIMOBRANCHIAL,-PRESENT
PITUITARY (PI) :
-B-ADENOMA,-NEOPLASM PRESENT

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O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 10 MM IN DIAMETER, RED, DARK RED, TAN, VASCULAR AND SOFT	
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: SINGLE DARK BROWN AREA, 2 X 1 MM	STOMACH, GL (ST) : -EDEMA,-MINIMAL, DIFFUSE
		STOMACH, NONGL (SU) : -EDEMA,-MODERATE, MULTI-FOCAL
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 30 X 25 X 25 MM, RED, DARK RED, FIRM AND LOBULATED; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (SEE AXILLARY)	MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	LN, AXILLARY (AX) : -MOTTLED; LEFT: DARK RED AND TAN (CAP 20)	LN, AXILLARY (AX) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: RED -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91188 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 570.9 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 13:27 PROSECTOR: JODI THIEREN RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-CERVICAL-LEFT; WEEK 88; 65 X 70MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
>MASS(ES); VENTRAL-THORACIC-LEFT; WEEK 101; 60 X 55MM; VERIFIED AT NECROPSY: OBSERVED		PANCREAS (PA) : -HEMORRHAGE,-MODERATE, FOCAL
>MASS(ES); AXILLARY REGION-LEFT; WEEK 74; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED		ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATELY SEVERE, MULTI-FOCAL -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL
		PARATHYROID (PT) : -B-ADENOMA,-NEOPLASM PRESENT
		PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: SINGLE BLACK AREA, 2 X 1 MM	STOMACH, GL (ST) : >UNREMARKABLE
	MAMMARY, FEMALE (MF) : -MASS(ES); PERINEAL REGION: SINGLE MASS, 30 X 21 X 15 MM, TAN, DARK BROWN, VASCULAR AND FIRM; ON CUT SECTION EXUDES A TAN FLUID; COLLECTED; REGIONAL LN (INGUINAL) NORMAL (CAP 20)	MAMMARY, FEMALE (MF) : -GALACTOCELE,-SEVERE, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL -NECROSIS,-MODERATELY SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -CYST(S); TRIMMING COMMENT: ON ROUTINE SECTION: SINGLE TAN, CREAMY SEMISOLID FILLED CYST, 11 X 9 MM; TRIMMED ON ROUTINE SECTION -MASS #2; LEFT LATERAL ABDOMINAL REGION: SINGLE MASS, 70 X 57 X 40 MM, RED, TAN, VASCULAR, AND FIRM; ON CUT SECTION EXUDES A RED FLUID AND A TAN CREAMY SEMIFLUID; PORTION COLLECTED; REGIONAL LN (INGUINAL) NORMAL -THICKENED; ALL REGIONS, DIFFUSE: TAN, BROWN, AND FIRM; COLLECTED ON ROUTINE SECTION -MASS #3; MID VENTRAL CERVICAL EXTENDING TO MID THORACIC REGION: SINGLE MASS, 108 X 70 X 36 MM, RED, TAN, VASCULAR, LOBULATED, AND SOFT; ON SECTION EXUDES A TAN TENACIOUS SEMISOLID; PORTION COLLECTED; REGIONAL LN (MANDIBULAR) NORMAL (CAP 21)	UTERUS (UT) : -DILATATION,-SLIGHT, DIFFUSE VAGINA (VA) : -B-LEIOMYOMA,-NEOPLASM PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LN, INGUINAL (IN) : -INFILTRATE, MACROPHAGE, PIGMENTED,- SLIGHT, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), LN, MANDIBULAR (MN), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91189 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/01/99 STUDY DAY OF DEATH: 645 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 313.1 GRAMS
DATE AND TIME OF NECROPSY: 11/01/99 12:59 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; LIMBS-HIND; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 88; 30 X 30MM; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) :	LIVER (LI) :
	-DIFFUSELY LIGHT; ALL LOBES: TAN	>UNREMARKABLE
		KIDNEY (KD) :
		-MINERALIZATION, TUBULAR,-MINIMAL, MULTI-FOCAL
		SPLEEN (SP) :
		-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE, DIFFUSE
		ADRENAL, CORTEX (AC) :
		-ANGIECTASIS,-MODERATE, MULTI-FOCAL
		-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
		-THROMBUS,-SLIGHT, FOCAL
		LUNG (LU) :
		-INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL, FOCAL
		THYROID (TY) :
		-B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 10 X 9 X 8 MM, RED, DARK RED, TAN AND SOFT	-HEMORRHAGE,-MODERATE, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) :
		-M-CARCINOMA,-NEOPLASM PRESENT

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 35 X 31 X 12 MM, RED, TAN, GREY, LOBULATED AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (SEE AXILLARY); OVERLYING SKIN HAS A SINGLE MOIST, TAN ULCERATED AREA, 20 X 19 X 6 MM; COLLECTED WITH MASS	
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	LN, AXILLARY (AX) : -LARGE; BILATERAL: EACH IS UP TO 7 X 5 X 5 MM (CAP 21)	LN, AXILLARY (AX) : >UNREMARKABLE
	FOOT/FOOTPAD(S) (FP) : -ABRASION(S)/ULCERATION(S); LEFT HINDFOOT: SINGLE MOIST, TAN ABRADED AREA, 17 X 14 MM; COLLECTED >NOTE:>SORE/SCAB (RIGHT HINDFOOT) NOTED IN CLINICAL OBSERVATIONS NOT SEEN AT NECROPSY	FOOT/FOOTPAD(S) (FP) : -EDEMA,-MODERATE, FOCAL -EROSION,-MODERATELY SEVERE, FOCAL -EXOSTOSES,-MODERATELY SEVERE, FOCAL -INFLAMMATION, ACUTE,-MODERATE, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91190 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 374.6 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 11:37 PROSECTOR: JARED FISHEL RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>MASS(ES); VENTRAL-CERVICAL; WEEK 100; 50 X 45MM; VERIFIED AT NECROPSY: OBSERVED	KIDNEY (KD) :	KIDNEY (KD) :
	-ROUGH SURFACE, DIFFUSE; BILATERAL	-NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL
	ADRENAL, CORTEX (AC) :	ADRENAL, CORTEX (AC) :
	-DIFFUSELY DARK; BILATERAL: DARK BROWN	-DEGENERATION, CYSTIC, CORTICAL,-SEVERE, MULTI-FOCAL
		-HEMORRHAGE,-MODERATE, MULTI-FOCAL
		-THROMBUS,-MODERATE, MULTI-FOCAL
		HEART (HT) :
		-DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL
		-FIBROSIS,-MINIMAL, MULTI-FOCAL
	THYROID (TY) :	THYROID (TY) :
	-LARGE; LEFT: 7 X 4 X 4 MM (RIGHT IS 6 X 3 X 2 MM)	-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
	-DIFFUSELY DARK; LEFT: DARK BROWN	-B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 9 X 8 X 8 MM, DARK RED, TAN AND SOFT	-HEMORRHAGE,-MODERATE, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
		SKIN (SK) :
		-INFLAMMATION, ACUTE,-MODERATELY SEVERE, FOCAL
		-ULCERATION,-MODERATELY SEVERE, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); VENTRAL CERVICAL REGION, EXTENDING TO MID THORACIC REGION: SINGLE MASS, 55 X 35 X 20 MM, DARK RED, TAN, FIRM AND LOBULATED; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (SEE MANDIBULAR) -CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE TAN, CREAMY SEMIFLUID FILLED CYSTS, UP TO 4 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, MANDIBULAR (MN) : -MOTTLED; BILATERAL: RED AND TAN (CAP 20)	LN, MANDIBULAR (MN) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

COVANCE
THE DEVELOPMENT SERVICES COMPANY

Sponsor:

3M
St. Paul, Minnesota

FINAL REPORT

Study Title:

104-Week Dietary Carcinogenicity Study with Narrow Range (98.1%) N-Ethyl Perfluorooctanesulfonamido Ethanol in Rats

Author:

Peter J. Thomford, PhD

Study Completion Date:

December 13, 2001

Testing Facility:

Covance Laboratories Inc.
3301 Kinsman Boulevard
Madison, Wisconsin 53704-2595

Laboratory Study Identification:

Covance 6329-212

Sponsor Study Identification:

3M T-6316.1

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APPENDIX 6 (Continued)

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91191 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/06/99 STUDY DAY OF DEATH: 680 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/06/99 8:04 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>MASS(ES); INGUINAL REGION-RIGHT; WEEK 83; 70 X 70MM; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>SKIN & PELAGE; SORE/SCAB; PAWS-HIND; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) :	LIVER (LI) :
>APPEARANCE; SWOLLEN; LIMB-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED	-MOTTLED; ALL LOBES: DARK RED AND TAN	-VACUOLATION, HEPATOCELLULAR,-
>MASS(ES); AXILLARY REGION-LEFT; WEEK 92; 20 X 20MM; VERIFIED AT NECROPSY: OBSERVED	-DEPRESSED FOCUS(I)/AREA(S); LEFT LATERAL LOBE: MULTIPLE DARK RED AREAS, UP TO 20 X 12 MM; COLLECTED ON ROUTINE SECTION	MODERATELY SEVERE, DIFFUSE
		KIDNEY (KD) :
		-MINERALIZATION, TUBULAR,-MINIMAL, MULTI-FOCAL
		SPLEEN (SP) :
		-FIBROSIS, CAPSULAR,-MINIMAL, FOCAL
		ADRENAL, CORTEX (AC) :
		-ANGIECTASIS,-MINIMAL, MULTI-FOCAL
		-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
		OVARY (OV) :
		-HEMORRHAGE,-MODERATE, MULTI-FOCAL
	LUNG (LU) :	LUNG (LU) :
	-DIFFUSELY RED; ALL LOBES: DARK RED	>UNREMARKABLE
		PARATHYROID (PT) :
		>SECTION EXAMINED; TISSUE NOT PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
	-LARGE; 7 X 6 X 4 MM	-B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN AREAS, UP TO 2 MM IN DIAMETER	STOMACH, GL (ST) : -EROSION,-MODERATE, MULTI-FOCAL
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: TWO MASSES, EACH IS 18 X 18 X 5 MM, BOTH ARE TAN AND SOFT; SAME ON BOTH CUT SURFACES; BOTH COLLECTED INTACT; REGIONAL LN (SEE AXILLARY) -MASS #2; VENTRAL ABDOMINAL REGION, EXTENDING TO BILATERAL INGUINAL REGIONS: SINGLE MASS, 75 X 65 X 20 MM, TAN, RED, FIRM, LOBULATED AND VASCULAR; SAME ON CUT SURFACES; COLLECTED INTACT; REGIONAL LN (RIGHT INGUINAL) NORMAL (CAP 22) (LEFT INGUINAL) NOT IDENTIFIED -THICKENED; ALL REGIONS, DIFFUSE: TAN AND SOFT; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -GALACTOCELE,-MINIMAL, MULTI-FOCAL -MINERALIZATION,-MINIMAL, MULTI-FOCAL -NECROSIS,-MODERATE, FOCAL -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT
		CAUSE OF DEATH (CD) : -MAMMARY FIBROADENOMA,-PRESENT
	LN, AXILLARY (AX) : -DIFFUSELY RED; RIGHT: DIFFUSELY DARK (CAP 21)	LN, AXILLARY (AX) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL
		FOOT/FOOTPAD(S) (FP) : -EROSION,-MODERATELY SEVERE, FOCAL -EXOSTOSES,-MODERATELY SEVERE, FOCAL -FIBROSIS,-MODERATE, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	FOOT/FOOTPAD(S) (FP) : -ABRASION(S)/ULCERATION(S); LEFT HINDFOOT: SINGLE DRY BROWN ULCERATED AREA, 10 MM IN DIAMETER; SURROUNDING TISSUE APPEARS SWOLLEN; COLLECTED	FOOT/FOOTPAD(S) (FP) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -INFLAMMATION, ACUTE,-SLIGHT, FOCAL
		LN, INGUINAL (IN) : -HYPERPLASIA, LYMPHOCYTIC,-SLIGHT, DIFFUSE
	GENERAL COMMENT (GC) : -MALOCCLUSION; BILATERAL UPPER INCISORS	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91192 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 243.8 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 13:51 PROSECTOR: GREGORY CODDINGTON RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0329	.0135 %	.0171	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0300	.0123 %	.0156	WEIGHT TAKEN
BRAIN (BR)	1.9280	.7908 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	.8220	.3372 %	.4263	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	.7920	.3249 %	.4108	WEIGHT TAKEN
LIVER (LI)	6.3344	2.5982 %	3.2855	WEIGHT TAKEN
LUNG (LU)	1.1493	.4714 %	.5961	WEIGHT TAKEN
LEFT OVARY (OV0)	.0567	.0233 %	.0294	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0586	.0240 %	.0304	WEIGHT TAKEN
SPLEEN (SP)	.4607	.1890 %	.2390	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0056	.0023 %	.0029	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0043	.0018 %	.0022	WEIGHT TAKEN
UTERUS (UT)	.5438	.2231 %	.2821	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

LN, MANDIBULAR (MN) :
-RED FOCUS(I)/AREA(S); BILATERAL:
MULTIPLE DARK RED PINPOINT FOCI (CAP
20)
GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

LIVER (LI) :
-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-
FOCAL
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT
LN, MANDIBULAR (MN) :
>NOT REQUIRED TO BE EXAMINED FOR ANIMAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91193 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/18/99 STUDY DAY OF DEATH: 631 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: 306.8 GRAMS
DATE AND TIME OF NECROPSY: 10/18/99 14:23 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-RIGHT; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>MASS(ES); AXILLARY REGION-LEFT; WEEK 85; 25 X 20MM; VERIFIED AT NECROPSY: OBSERVED		-DILATATION, VENTRICULAR,-PRESENT
		-HEMORRHAGE,-MODERATE, FOCAL
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		ADRENAL, CORTEX (AC) :
		-ANGIECTASIS,-SLIGHT, MULTI-FOCAL
		-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
>DISCHARGE; NASAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED		THYMUS (TH) :
		-CYST,-PRESENT
>SKIN & PELAGE; RED HAIR COAT; PERINEAL AREA; VERIFIED AT NECROPSY: OBSERVED		PARATHYROID (PT) :
		>SECTION EXAMINED; TISSUE NOT PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 8 MM IN DIAMETER, RED, GRAY AND SOFT	-HEMORRHAGE,-MODERATE, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) :	MAMMARY, FEMALE (MF) :
	-MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 40 X 30 X 18 MM, RED, TAN, LOBULATED AND FIRM; SOME SECTIONS EXUDE A YELLOW CREAMY SEMIFLUID MATERIAL; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 21)	-B-FIBROADENOMA,-NEOPLASM PRESENT
	CERVIX (CV) :	CERVIX (CV) :
	-LARGE; UP TO 7 MM IN DIAMETER	>UNREMARKABLE
		CAUSE OF DEATH (CD) :
		-PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91193 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/18/99 STUDY DAY OF DEATH: 631 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: 306.8 GRAMS
DATE AND TIME OF NECROPSY: 10/18/99 14:23 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	FOOT/FOOTPAD(S) (FP) : -ABRASION(S)/ULCERATION(S); RIGHT HIND FOOT: SINGLE DARK RED ABRADED AREA, 3 MM IN DIAMETER; COLLECTED GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; RED AND YELLOW MOIST MATERIAL -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY RED MATERIAL -DISCHARGE-NASAL; DRY RED MATERIAL	FOOT/FOOTPAD(S) (FP) : -CYST, EPIDERMAL INCLUSION,-PRESENT -FIBROSIS,-MODERATE, FOCAL -INFLAMMATION, ACUTE,-SLIGHT, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91193 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/18/99 STUDY DAY OF DEATH: 631 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: 306.8 GRAMS
DATE AND TIME OF NECROPSY: 10/18/99 14:23 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91194 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/23/00 STUDY DAY OF DEATH: 728 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: 356.1 GRAMS
DATE AND TIME OF NECROPSY: 01/23/00 14:31 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 71; 65 X 60MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT -HEMORRHAGE,-MODERATE, FOCAL
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: NOT OBSERVED		LIVER (LI) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATELY SEVERE, FOCAL -VACUOLATION,-MINIMAL, FOCAL
>BEHAVIOR; RECUMBENT; STERNAL; VERIFIED AT NECROPSY: NOT APPLICABLE		
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE		
	PITUITARY (PI) : -MASS(ES); 12 X 10 X 4 MM, RED, TAN AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
		MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,-NEOPLASM PRESENT -M-CARCINOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91194 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/23/00 STUDY DAY OF DEATH: 728 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: 356.1 GRAMS
DATE AND TIME OF NECROPSY: 01/23/00 14:31 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 61 X 52 X 20 MM, RED, TAN, LOBULATED AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (SEE AXILLARY) -MASS #2; RIGHT INGUINAL REGION: SINGLE MASS, 29 X 20 X 19 MM, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (INGUINAL) NOT IDENTIFIED	CAUSE OF DEATH (CD) : -MAMMARY CARCINOMA,-PRESENT
	LN, AXILLARY (AX) : -MOTTLED; BILATERAL: RED AND TAN (CAP 21)	LN, AXILLARY (AX) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY RED MATERIAL -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91194 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/23/00 STUDY DAY OF DEATH: 728 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: 356.1 GRAMS
DATE AND TIME OF NECROPSY: 01/23/00 14:31 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91195 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/20/99 STUDY DAY OF DEATH: 694 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: 366.3 GRAMS
DATE AND TIME OF NECROPSY: 12/20/99 13:38 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 87; 45 X 35MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 6 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : >UNREMARKABLE
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		SPLEEN (SP) : -B-HEMANGIOMA,-NEOPLASM PRESENT
		ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT, MULTI-FOCAL -DEGENERATION, CYSTIC, CORTICAL,-MINIMAL, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL
		THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
		PARATHYROID (PT) : >SECTION EXAMINED; TISSUE NOT PRESENT
	PITUITARY (PI) : -MASS(ES); 12 X 10 X 7 MM, DARK RED, RED, TAN, AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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DATE AND TIME OF NECROPSY: 12/20/99 13:38 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		STOMACH, NONGL (SU) : -EDEMA,-SLIGHT, MULTI-FOCAL -EROSION,-MODERATE, FOCAL -INFLAMMATION, ACUTE,-MINIMAL, MULTI-FOCAL
	JEJUNUM (JE) : -DIVERTICULUM(A); TRIMMING COMMENT: MID JEJUMUM: SINGLE AREA, 6 X 5 X 5 MM; COLLECTED ON ROUTINE SECTION	JEJUNUM (JE) : -DIVERTICULUM,-PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 40 X 35 X 20 MM, TAN, GRAY, AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 22)	MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,-NEOPLASM PRESENT
	UTERUS (UT) : -CYST(S); LEFT, WITHIN WALL: SINGLE CLEAR FLUID FILLED CYST, 4 X 3 X 3 MM	UTERUS (UT) : >UNREMARKABLE
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 12/20/99 13:38 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91196 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/27/99 STUDY DAY OF DEATH: 579 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: 360.3 GRAMS
DATE AND TIME OF NECROPSY: 08/27/99 8:04 PROSECTOR: TONY HANFELD RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); INGUINAL REGION-RIGHT; WEEK 80; 50 X 30MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
>SKIN & PELAGE; BROWN HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: NOT OBSERVED		-VACUOLATION, HEPATOCELLULAR,-MODERATELY SEVERE, MULTI-FOCAL
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: NOT OBSERVED		KIDNEY (KD) : -PYELONEPHRITIS,-SLIGHT, MULTI-FOCAL
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED		ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 12 X 9 X 9 MM, RED, DARK RED, TAN AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-SEVERE, DIFFUSE -B-ADENOMA,-NEOPLASM PRESENT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED		MAMMARY, FEMALE (MF) : -GALACTOCELE,-MINIMAL, MULTI-FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE		
>SKIN & PELAGE; PALE; EARS; VERIFIED AT NECROPSY: NOT APPLICABLE		

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91196 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/27/99 STUDY DAY OF DEATH: 579 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: 360.3 GRAMS
DATE AND TIME OF NECROPSY: 08/27/99 8:04 PROSECTOR: TONY HANFELD RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT INGUINAL REGION: SINGLE MASS, 38 X 26 X 23 MM, RED, DARK RED, TAN, FIRM, AND LOBULATED; SOME SECTIONS EXUDE A BROWN FLUID; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	FOOT/FOOTPAD(S) (FP) : -ABRASION(S)/ULCERATION(S); LEFT HINDFOOT: SINGLE TAN AND DRY ABRADED AREA, 6 X 5 MM, COLLECTED	FOOT/FOOTPAD(S) (FP) : -EDEMA,-MODERATE, MULTI-FOCAL -EROSION,-MODERATE, FOCAL -INFLAMMATION, ACUTE,-SLIGHT, MULTI- FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY RED MATERIAL	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91196 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/27/99 STUDY DAY OF DEATH: 579 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: 360.3 GRAMS
DATE AND TIME OF NECROPSY: 08/27/99 8:04 PROSECTOR: TONY HANFELD RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91197 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 583.1 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 10:14 PROSECTOR: JODI THIEREN RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL -VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
	ADRENAL, CORTEX (AC) : -LARGE; RIGHT: 10 MM IN DIAMETER (LEFT IS 7 X 4 X 3 MM); APPEARS CYSTIC	ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE, MULTI-FOCAL -CYST,-SEVERE, FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -THROMBUS,-SLIGHT, MULTI-FOCAL THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT
	PITUITARY (PI) : -DARK FOCUS(I)/AREA(S); RIGHT ASPECT: SINGLE DARK RED AREA, 4 X 2 MM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	JEJUNUM (JE) : -LARGE LYMPHOID AREA(S); DIFFUSE: UP TO 7 X 4 X 3 MM; COLLECTED ON ROUTINE SECTION	JEJUNUM (JE) : -HYPERPLASIA, GALT (GUT ASSOCIATED LYMPHOID TISSUE),-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91197 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 583.1 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 10:14 PROSECTOR: JODI THIEREN RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	ILEUM (IL) : -LARGE LYMPHOID AREA(S); DIFFUSE: UP TO 7 X 4 X 3 MM; COLLECTED ON ROUTINE SECTION	ILEUM (IL) : -HYPERPLASIA, GALT (GUT ASSOCIATED LYMPHOID TISSUE),-MINIMAL, MULTI-FOCAL
	MAMMARY, FEMALE (MF) : -MASS(ES); VENTRAL CERVICAL REGION: SINGLE MASS, 7 MM IN DIAMETER, RED, TAN AND FIRM; SAME ON CUT SURFACE (CAP 20); REGIONAL LN (MANDIBULAR) NORMAL (CAP 21) -THICKENED; LEFT INGUINAL REGION: TAN, DARK BROWN AND SOFT; EXUDES A DARK BROWN FLUID; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -B-ADENOMA,-NEOPLASM PRESENT
	UTERUS (UT) : -CYST(S); RIGHT, WITHIN LUMEN: SINGLE CLEAR FLUID FILLED CYST, 6 X 3 X 3 MM -MASS(ES); DISTAL END OF RIGHT HORN, WITHIN LUMEN: SINGLE MASS, 22 X 5 X 5 MM, RED, DARK RED, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (LUMBAR) NORMAL (CAP 22)	UTERUS (UT) : -DILATATION,-MODERATELY SEVERE, FOCAL -B-POLYP, ENDOMETRIAL, STROMAL,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
		LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOCYTIC,-MINIMAL, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91197 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 583.1 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 10:14 PROSECTOR: JODI THIEREN RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), ADRENAL, MEDULLA (MA), LUNG (LU), URINARY BLADDER (UB), LN, LUMBAR/ILIAC (LM)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91198 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 231.2 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 10:11 PROSECTOR: TODD ACKER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	7.5213	3.2532 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LEFT OVARY (OV0)	--------	--------	--------	NOT TAKEN
RIGHT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT THYROID/PAR (TT0)	--------	--------	--------	NOT TAKEN
RIGHT THYROID/PR (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91198 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 231.2 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 10:11 PROSECTOR: TODD ACKER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91199 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/29/99 STUDY DAY OF DEATH: 673 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 371.8 GRAMS
DATE AND TIME OF NECROPSY: 11/29/99 14:48 PROSECTOR: JERALD W. JOHNSON RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) :	BRAIN (BR) :
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) :	-DILATATION, VENTRICULAR,-PRESENT
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE	-RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 7 MM IN DIAMETER; SOME APPEAR SUNKEN WITH A STELLATE PATTERN; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) :
>BEHAVIOR; CIRCLING; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE		-HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL
		-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
		KIDNEY (KD) :
		-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
		-MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL
		PANCREAS (PA) :
		-ATROPHY, ACINAR,-MINIMAL, MULTI-FOCAL
	ADRENAL, CORTEX (AC) :	ADRENAL, CORTEX (AC) :
	-LARGE; RIGHT: 7 MM IN DIAMETER (LEFT IS 5 MM IN DIAMETER)	-ANGIECTASIS,-SLIGHT, MULTI-FOCAL
	-RED FOCUS(I)/AREA(S); RIGHT: SINGLE DARK RED AREA, 6 MM IN DIAMETER	-DEGENERATION, CYSTIC, CORTICAL,-SEVERE, FOCAL
		-HEMORRHAGE,-MODERATE, MULTI-FOCAL
		-THROMBUS,-SLIGHT, FOCAL
		THYROID (TY) :
		-B-ADENOMA, C-CELL,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91199 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/29/99 STUDY DAY OF DEATH: 673 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 371.8 GRAMS
DATE AND TIME OF NECROPSY: 11/29/99 14:48 PROSECTOR: JERALD W. JOHNSON RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 12 X 9 X 7 MM, RED, DARK RED, TAN, GRAY AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
	MAMMARY, FEMALE (MF) : -CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE TAN CREAMY SEMIFLUID FILLED CYSTS (CAP 21) -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATE, MULTI-FOCAL
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91199 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
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DATE AND TIME OF NECROPSY: 11/29/99 14:48 PROSECTOR: JERALD W. JOHNSON RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91200 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/24/99 STUDY DAY OF DEATH: 607 STUDY WEEK OF DEATH: 87 TERMINAL BODY WEIGHT: 445.0 GRAMS
DATE AND TIME OF NECROPSY: 09/24/99 13:57 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); HEAD; WEEK 82; 30 X 35MM; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; SORE/SCAB; HEAD-CRANIAL; VERIFIED AT NECROPSY: OBSERVED	SKIN (SK) : -MASS(ES); TOP OF HEAD, EXTENDS TO BOTH AUDITORY CANALS AND ORBITS: SINGLE SUBCUTANEOUS MASS, 23 X 35 X 52 MM, FIRM, RED, TAN AND SMOOTH; SAME ON CUT SURFACE; OVERLYING SKIN HAS A DARK BROWN, DRY CRUSTED AREA, 10 X 20 MM (COLLECTED INTACT WITH MASS); REGIONAL LN (MANDIBULAR) NORMAL (COLLECTED)	KIDNEY (KD) : -MINERALIZATION, TUBULAR,-MINIMAL, FOCAL ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-MODERATE, FOCAL -HEMORRHAGE,-SLIGHT, FOCAL HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL -FIBROSIS,-MINIMAL, MULTI-FOCAL THYROID (TY) : -CYST, FOLLICULAR,-MODERATE, FOCAL PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT SKIN (SK) : -M-FIBROSARCOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91200 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/24/99 STUDY DAY OF DEATH: 607 STUDY WEEK OF DEATH: 87 TERMINAL BODY WEIGHT: 445.0 GRAMS
DATE AND TIME OF NECROPSY: 09/24/99 13:57 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		UTERUS (UT) : -DILATATION,-SLIGHT, FOCAL
		CAUSE OF DEATH (CD) : -FIBROSARCOMA,-PRESENT
	CALVARIUM/SKULL (CA) : -DEPRESSED AREA(S); ENTIRE SKULL CAP UNDER SKIN MASS (COLLECTED)	CALVARIUM/SKULL (CA) : >UNREMARKABLE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91200 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/24/99 STUDY DAY OF DEATH: 607 STUDY WEEK OF DEATH: 87 TERMINAL BODY WEIGHT: 445.0 GRAMS
DATE AND TIME OF NECROPSY: 09/24/99 13:57 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91201 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 374.4 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 12:46 PROSECTOR: TONY HANFELD RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 74; 60 X 45MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>MASS(ES); INGUINAL REGION-RIGHT; WEEK 97; 50 X 30MM; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -MASS(ES); ATTACHED TO MARGIN OF LEFT LATERAL LOBE: SINGLE MASS, 15 X 15 X 4 MM, DARK RED, BROWN AND FIRM; SAME ON CUT SURFACE (CAP 20); REGIONAL LN (HEPATIC) NOT IDENTIFIED	LIVER (LI) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED		
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 105; 20 X 20MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
		THYROID (TY) : -CYST, FOLLICULAR,-MINIMAL, MULTI-FOCAL
	PITUITARY (PI) : -MASS(ES); 10 X 7 X 5 MM, RED, TAN AND FIRM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) : -GALACTOCELE,-SEVERE, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91201 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 374.4 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 12:46 PROSECTOR: TONY HANFELD RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 65 X 45 X 43 MM, RED, DARK RED, TAN, FIRM AND LOBULATED; SOME SECTIONS EXUDE A TAN, CREAMY MATERIAL; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 21) -MASS #2; VENTRAL LUMBAR REGION: SINGLE MASS, 55 X 35 X 28 MM, DARK BROWN, TAN AND CYSTIC; ON SECTION EXUDES A DARK BROWN FLUID; COLLECTED; POSSIBLY CONSISTENT WITH MASSES (INGUINAL REGION, RIGHT AND VENTRAL ABDOMINAL REGION, RIGHT) AS NOTED IN CLINICAL OBSERVATIONS; REGIONAL LN (LUMBAR) NORMAL (CAP 22)	
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY RED MATERIAL -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91201 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 374.4 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 12:46 PROSECTOR: TONY HANFELD RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), LUNG (LU), URINARY BLADDER (UB), LN, LUMBAR/ILIAC (LM), LN, AXILLARY (AX)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91202 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/07/99 STUDY DAY OF DEATH: 590 STUDY WEEK OF DEATH: 85 TERMINAL BODY WEIGHT: 619.0 GRAMS
DATE AND TIME OF NECROPSY: 09/07/99 14:40 PROSECTOR: TONY HANFELD RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 76; 40 X40MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
>MASS(ES); VENTRAL-THORACIC-RIGHT; WEEK 84; 10 X 15MM; VERIFIED AT NECROPSY: OBSERVED	ADRENAL, CORTEX (AC) : -LARGE; LEFT: 9 X 5 X 5 MM (RIGHT IS 6 X 4 X 3 MM)	ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-SEVERE, FOCAL -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL
>SKIN & PELAGE; BLACK SKIN; VENTRAL-THORACIC-RIGHT; VERIFIED AT NECROPSY: OBSERVED		ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT
>MASS(ES); INGUINAL REGION-LEFT; WEEK 84; 20 X 10MM; VERIFIED AT NECROPSY: OBSERVED		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL
		THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT
		PITUITARY (PI) : -CYST,-PRESENT -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -PIGMENT,-MINIMAL, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		SKIN (SK) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -INFLAMMATION, ACUTE,-SLIGHT, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91202 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/07/99 STUDY DAY OF DEATH: 590 STUDY WEEK OF DEATH: 85 TERMINAL BODY WEIGHT: 619.0 GRAMS
DATE AND TIME OF NECROPSY: 09/07/99 14:40 PROSECTOR: TONY HANFELD RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		SKIN (SK) : -ULCERATION,-SEVERE, MULTI-FOCAL
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY AND RIGHT VENTRAL THORACIC REGIONS: TWO MASSES, RIGHT AXILLARY IS 50 X 34 X 23 MM, RIGHT THORACIC IS 23 X 23 X 10 MM; BOTH ARE TAN, RED, DARK RED, FIRM, AND LOBULATED; SAME ON CUT SURFACES; OVERLYING SKIN ON THE THORACIC REGION MASS HAS A SINGLE DARK RED AND DRY CRUSTED AREA, 19 MM IN DIAMETER; MASS WITH CRUSTED AREA COLLECTED; REGIONAL LN (SEE AXILLARY) -CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE WHITE CREAMY FLUID FILLED CYSTS, UP TO 10 MM IN DIAMETER (CAP 22) -MASS #2; LEFT INGUINAL REGION: SINGLE MASS, 27 X 19 X 14 MM, TAN, FIRM, AND LOBULATED; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT
		CAUSE OF DEATH (CD) : -MAMMARY FIBROADENOMA,-PRESENT
	LN, AXILLARY (AX) : -MOTTLED; RIGHT: DARK RED AND TAN (LEFT NOT IDENTIFIED) (CAP 21)	LN, AXILLARY (AX) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91202 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/07/99 STUDY DAY OF DEATH: 590 STUDY WEEK OF DEATH: 85 TERMINAL BODY WEIGHT: 619.0 GRAMS
DATE AND TIME OF NECROPSY: 09/07/99 14:40 PROSECTOR: TONY HANFELD RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91203 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/11/99 STUDY DAY OF DEATH: 532 STUDY WEEK OF DEATH: 76 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 07/11/99 14:16 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 60; 40 X 40MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
		-DILATATION, VENTRICULAR,-PRESENT
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE		-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
	LIVER (LI) :	LIVER (LI) :
>BEHAVIOR; RECUMBENT; LATERAL; VERIFIED AT NECROPSY: NOT APPLICABLE	-LARGE; ALL LOBES; MARGINS APPEAR ROUNDED	>UNREMARKABLE
>SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) :
		-CAST, PROTEINACEOUS,-SLIGHT, MULTI-FOCAL
>RESPIRATION; IRREGULAR; VERIFIED AT NECROPSY: NOT APPLICABLE		-MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL
	ADRENAL, CORTEX (AC) :	ADRENAL, CORTEX (AC) :
	-DIFFUSELY RED; BILATERAL: DARK RED	-ANGIECTASIS,-MODERATELY SEVERE, MULTI-FOCAL
	-LARGE; BILATERAL: EACH IS 6 MM IN DIAMETER	-HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL
		OVARY (OV) :
		-CYST,-PRESENT
		THYROID (TY) :
		-B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 7 X 5 X 5 MM, DARK RED AND SOFT	-HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 07/11/99 14:16 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: SINGLE TAN, ERODED AREA, 2 MM IN DIAMETER MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 40 X 35 X 35 MM, TAN, RED, VASCULAR, LOBULATED AND FIRM; SAME ON CUT SURFACE; SOME SECTIONS EXUDE A TAN, CREAMY SEMIFLUID MATERIAL; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 20) -THICKENED; ALL REGIONS: DIFFUSE; COLLECTED ON ROUTINE SECTION GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	STOMACH, NONGL (SU) : -EDEMA,-MODERATE, MULTI-FOCAL MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,-NEOPLASM PRESENT CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT LN, MEDIASTINAL (ML) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT, MULTI-FOCAL >NOTE:>MEDIASTINAL LYMPH NODE WAS PRESENT ON THYMUS SECTION

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91203 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/11/99 STUDY DAY OF DEATH: 532 STUDY WEEK OF DEATH: 76 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 07/11/99 14:16 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91204 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/27/99 STUDY DAY OF DEATH: 426 STUDY WEEK OF DEATH: 61 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/27/99 8:29 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL; WEEK 35; 45 X 35MM; VERIFIED AT NECROPSY: OBSERVED		EYE (EY) : -MINERALIZATION, CORNEAL,-MODERATE, FOCAL
>SKIN & PELAGE; SORE/SCAB; VENTRAL-ABDOMINAL-RIGHT; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -FIBROSIS,-MINIMAL, FOCAL KIDNEY (KD) : -MINERALIZATION, TUBULAR,-SLIGHT, MULTI-FOCAL THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT
	PITUITARY (PI) : -LARGE; 7 X 5 X 4 MM; APPEARS SWOLLEN	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); VENTRAL ABDOMINAL REGION: SINGLE MASS, 65 X 55 X 18 MM, RED, DARK RED, BLACK, TAN, GRAY, LOBULATED AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (SEE INGUINAL); OVERLYING SKIN HAS A SINGLE BLACK AND MOIST ULCERATED AREA, 15 MM IN DIAMETER; COLLECTED WITH MASS	MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL -MINERALIZATION,-MODERATE, MULTI-FOCAL -M-CARCINOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91204 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/27/99 STUDY DAY OF DEATH: 426 STUDY WEEK OF DEATH: 61 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/27/99 8:29 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	LN, INGUINAL (IN) : -LARGE; LEFT: 15 X 13 X 10 MM (FOR COMPARISON, RIGHT IS 4 X 2 X 2 MM) (CAP 20) -DIFFUSELY RED; LEFT: DARK RED (CAP 20)	LN, INGUINAL (IN) : >UNREMARKABLE
	GENERAL COMMENT (GC) : -DISCHARGE-OCULAR; BILATERAL: CLEAR MOIST MATERIAL	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91204 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/27/99 STUDY DAY OF DEATH: 426 STUDY WEEK OF DEATH: 61 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/27/99 8:29 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91205 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 167.1 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 11:19 PROSECTOR: DONIA MEYER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	5.6721	3.3944 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LEFT OVARY (OV0)	--------	--------	--------	NOT TAKEN
RIGHT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT THYROID/PAR (TT0)	--------	--------	--------	NOT TAKEN
RIGHT THYROID/PR (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91205 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 167.1 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 11:19 PROSECTOR: DONIA MEYER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91206 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/28/99 STUDY DAY OF DEATH: 519 STUDY WEEK OF DEATH: 75 TERMINAL BODY WEIGHT: 336.8 GRAMS
DATE AND TIME OF NECROPSY: 06/28/99 15:05 PROSECTOR: KEVIN BILLINGS RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>SKIN & PELAGE; BROWN HAIR COAT; PERINEAL AREA; VERIFIED AT NECROPSY: NOT OBSERVED		-DILATATION, VENTRICULAR,-PRESENT
>EYES; PALE; EYES; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) :
		-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL
		ADRENAL, CORTEX (AC) :
		-ANGIECTASIS,-SLIGHT, MULTI-FOCAL
		-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
		THYROID (TY) :
		-B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); SINGLE MASS, 10 X 8 X 6 MM, DARK RED, TAN, GRAY, LOBULATED AND SOFT	-CYST,-PRESENT
		-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) :
		-GALACTOCELE,-MINIMAL, MULTI-FOCAL
		-MINERALIZATION,-MINIMAL, MULTI-FOCAL
		VAGINA (VA) :
		-B-PAPILLOMA, SQUAMOUS CELL,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91206 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/28/99 STUDY DAY OF DEATH: 519 STUDY WEEK OF DEATH: 75 TERMINAL BODY WEIGHT: 336.8 GRAMS
DATE AND TIME OF NECROPSY: 06/28/99 15:05 PROSECTOR: KEVIN BILLINGS RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	LN, MANDIBULAR (MN) : -LARGE; BILATERAL: EACH IS UP TO 12 X 8 X 6 MM; COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL, UPPER AND LOWER INCISORS	LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOCYTIC,-MODERATE, DIFFUSE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91206 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/28/99 STUDY DAY OF DEATH: 519 STUDY WEEK OF DEATH: 75 TERMINAL BODY WEIGHT: 336.8 GRAMS
DATE AND TIME OF NECROPSY: 06/28/99 15:05 PROSECTOR: KEVIN BILLINGS RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91207 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 417.4 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 11:34 PROSECTOR: GREGORY CODDINGTON RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	OVARY (OV) : -CYST(S); RIGHT: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 5 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT
		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); MID ASPECT: SINGLE DARK RED AREA, 2 MM IN DIAMETER	PITUITARY (PI) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: DARK RED; COLLECTED	LN, MANDIBULAR (MN) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; LEFT UPPER INCISOR -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91207 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 417.4 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 11:34 PROSECTOR: GREGORY CODDINGTON RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LIVER (LI), KIDNEY (KD), PANCREAS (PA), THYROID (TY), URINARY BLADDER (UB)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91208 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/28/99 STUDY DAY OF DEATH: 519 STUDY WEEK OF DEATH: 75 TERMINAL BODY WEIGHT: 259.8 GRAMS
DATE AND TIME OF NECROPSY: 06/28/99 15:30 PROSECTOR: JODI THIEREN RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE		-DILATATION, VENTRICULAR,-PRESENT
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: NOT OBSERVED	ADRENAL, CORTEX (AC) :	KIDNEY (KD) :
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	-LIGHT FOCUS(I)/AREA(S); BILATERAL: MULTIPLE TAN PINPOINT FOCI	-MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL
		ADRENAL, CORTEX (AC) :
		-ANGIECTASIS,-MODERATE, MULTI-FOCAL
		-DEGENERATION, CYSTIC, CORTICAL,-MODERATE, FOCAL
		-HEMORRHAGE,-MODERATE, MULTI-FOCAL
	OVARY (OV) :	OVARY (OV) :
	-CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 5 MM IN DIAMETER	-CYST,-PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 12 X 9 X 9 MM, DARK RED, TAN, LOBULATED AND FIRM	-HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) :
		-GALACTOCELE,-MINIMAL, MULTI-FOCAL
		CAUSE OF DEATH (CD) :
		-PITUITARY ADENOMA,-PRESENT
		CAVITY, ABDOM (PC) :
		-NECROSIS, FAT,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91208 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/28/99 STUDY DAY OF DEATH: 519 STUDY WEEK OF DEATH: 75 TERMINAL BODY WEIGHT: 259.8 GRAMS
DATE AND TIME OF NECROPSY: 06/28/99 15:30 PROSECTOR: JODI THIEREN RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	CAVITY, ABDOM (PC) : -MASS(ES); ATTACHED TO ADIPOSE TISSUE, NEAR RIGHT OVARY: SINGLE MASS, 6 X 5 X 5 MM, TAN, YELLOW, FIRM AND LOBULATED; SAME ON CUT SURFACE (CAP 20); REGIONAL LN (RENAL) NORMAL (CAP 21) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY MATERIAL -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91208 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/28/99 STUDY DAY OF DEATH: 519 STUDY WEEK OF DEATH: 75 TERMINAL BODY WEIGHT: 259.8 GRAMS
DATE AND TIME OF NECROPSY: 06/28/99 15:30 PROSECTOR: JODI THIEREN RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN), LN, RENAL (RL)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91209 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 06/29/99 STUDY DAY OF DEATH: 520 STUDY WEEK OF DEATH: 75 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 06/29/99 15:27 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT -HEMORRHAGE,-MINIMAL, MULTI-FOCAL
		KIDNEY (KD) : -MINERALIZATION, TUBULAR,-MINIMAL, MULTI-FOCAL
	ADRENAL, CORTEX (AC) : -DIFFUSELY RED; BILATERAL: DARK RED	ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL
	OVARY (OV) : -CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 3 MM IN DIAMETER	OVARY (OV) : >UNREMARKABLE
		THYMUS (TH) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL
	PITUITARY (PI) : -MASS(ES); 7 MM IN DIAMETER, DARK RED AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -PIGMENT,-MINIMAL, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		ILEUM (IL) : >AUTOLYTIC
	MAMMARY, FEMALE (MF) : -THICKENED; ALL REGIONS: DIFFUSE; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91209 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 06/29/99 STUDY DAY OF DEATH: 520 STUDY WEEK OF DEATH: 75 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 06/29/99 15:27 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91210 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/02/99 STUDY DAY OF DEATH: 523 STUDY WEEK OF DEATH: 75 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 07/02/99 9:11 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; RED HAIR COAT; HEAD-CRANIAL; VERIFIED AT NECROPSY: NOT OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT -HEMORRHAGE,-SLIGHT, MULTI-FOCAL
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) :	LIVER (LI) :
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	-RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 5 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	-FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MODERATE, FOCAL -TELANGIECTASIS,-MODERATE, FOCAL
>SKIN & PELAGE; COLD TO TOUCH; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) : -MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE, MULTI-FOCAL -DEGENERATION, CYSTIC, CORTICAL,-MODERATELY SEVERE, FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL THYMUS (TH) : -CYST,-PRESENT LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL
	PITUITARY (PI) : -MASS(ES); 12 X 8 X 7 MM, DARK RED, GRAY AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91210 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/02/99 STUDY DAY OF DEATH: 523 STUDY WEEK OF DEATH: 75 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 07/02/99 9:11 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		RECTUM (RE) : -PARASITISM,-PRESENT
	MAMMARY, FEMALE (MF) : -CYST(S); DIFFUSE: MULTIPLE TAN AND CREAMY FLUID FILLED CYSTS, UP TO 4 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATE, MULTI-FOCAL -MINERALIZATION,-MINIMAL, MULTI-FOCAL
	UTERUS (UT) : -CYST(S); BILATERAL, WITHIN WALLS: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 7 X 5 X 5 MM	UTERUS (UT) : -DILATATION,-MODERATELY SEVERE, DIFFUSE
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL; COLLECTED	LN, MANDIBULAR (MN) : >UNREMARKABLE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY MATERIAL	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91210 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/02/99 STUDY DAY OF DEATH: 523 STUDY WEEK OF DEATH: 75 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 07/02/99 9:11 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91211 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 562.8 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 10:04 PROSECTOR: JERALD W. JOHNSON RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); INGUINAL REGION-LEFT; WEEK 86; 20 X 40MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
	LIVER (LI) : -DIFFUSELY LIGHT; ALL LOBES: TAN -RED FOCUS(I)/AREA(S); LEFT AND RIGHT LATERAL LOBES: MULTIPLE RED AREAS UP TO 2 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION	LIVER (LI) : -DEGENERATION, CYSTIC,-SLIGHT, FOCAL
		KIDNEY (KD) : -MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL
	ADRENAL, CORTEX (AC) : >NOTE:>LEFT ADRENAL DAMAGED AT NECROPSY	ADRENAL, CORTEX (AC) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL
	PITUITARY (PI) : -MASS(ES); 8 X 6 X 5 MM, DARK RED, GRAY AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) : -GALACTOCELE,-MINIMAL, MULTI-FOCAL -M-CARCINOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91211 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 562.8 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 10:04 PROSECTOR: JERALD W. JOHNSON RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 36 X 24 X 20 MM, DARK RED, RED, GRAY, AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED; OVERLYING SKIN OF MASS HAS A BLACK CRUSTED AREA, 10 MM IN DIAMETER; COLLECTED INTACT WITH MASS	CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BONE MARROW SMEAR TAKEN -ANIMAL OBESE GENERAL INFORMATION (XX) : >NOTE:>NECROPSIED OUT OF ORDER DUE TO MORIBUND CONDITION FOLLOWING BLOOD COLLECTION	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91211 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 562.8 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 10:04 PROSECTOR: JERALD W. JOHNSON RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), LUNG (LU), THYROID (TY), SKIN (SK), URINARY BLADDER (UB)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91212 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 05/07/99 STUDY DAY OF DEATH: 467 STUDY WEEK OF DEATH: 67 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 05/07/99 13:20 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 49; 10 X 10MM; VERIFIED AT NECROPSY: NOT OBSERVED		BRAIN (BR) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED		LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL
>APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) : -MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL
	ADRENAL, CORTEX (AC) : -LARGE; BILATERAL: EACH IS 6 MM IN DIAMETER	ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-SEVERE, FOCAL -HEMORRHAGE,-SEVERE, FOCAL
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); RIGHT ASPECT: SINGLE DARK RED AREA, 3 X 2 MM -LARGE; 6 X 6 X 3 MM; APPEARS SWOLLEN	PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATE, MULTI-FOCAL -PIGMENT,-MODERATE, MULTI-FOCAL
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91212 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 05/07/99 STUDY DAY OF DEATH: 467 STUDY WEEK OF DEATH: 67 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 05/07/99 13:20 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91213 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/14/99 STUDY DAY OF DEATH: 535 STUDY WEEK OF DEATH: 77 TERMINAL BODY WEIGHT: 339.7 GRAMS
DATE AND TIME OF NECROPSY: 07/14/99 16:14 PROSECTOR: WENDY CHERRY RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: NOT OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) : -FIBROSIS,-MINIMAL, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED		-NECROSIS, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL
>APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) : -MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	ADRENAL, CORTEX (AC) : -LARGE; LEFT: 11 X 10 X 10 MM (FOR COMPARISON, RIGHT IS 6 X 5 X 4 MM)	ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE, MULTI-FOCAL -DEGENERATION, CYSTIC, CORTICAL,-MODERATELY SEVERE, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL
		LUNG (LU) : -MINERALIZATION,-MINIMAL, FOCAL
		THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT
	PITUITARY (PI) : -MASS(ES); 10 X 10 X 7 MM, DARK RED, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		VAGINA (VA) : >UNREMARKABLE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91213 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/14/99 STUDY DAY OF DEATH: 535 STUDY WEEK OF DEATH: 77 TERMINAL BODY WEIGHT: 339.7 GRAMS
DATE AND TIME OF NECROPSY: 07/14/99 16:14 PROSECTOR: WENDY CHERRY RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	VAGINA (VA) : -SEMIFLUID MATERIAL; WITHIN LUMEN: LIGHT GREEN AND CREAMY SEMIFLUID	
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; YELLOW AND MOIST -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91213 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/14/99 STUDY DAY OF DEATH: 535 STUDY WEEK OF DEATH: 77 TERMINAL BODY WEIGHT: 339.7 GRAMS
DATE AND TIME OF NECROPSY: 07/14/99 16:14 PROSECTOR: WENDY CHERRY RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91214 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/13/99 STUDY DAY OF DEATH: 687 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: 557.1 GRAMS
DATE AND TIME OF NECROPSY: 12/13/99 15:17 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 64; 50 X 90MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>MASS(ES); VENTRAL-CERVICAL; WEEK 95; 85 X 90MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) :
		-FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-SLIGHT, MULTI-FOCAL
>MASS(ES); INGUINAL REGION-RIGHT; WEEK 84; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED		-HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL
		-INFLAMMATION, CHRONIC,-SLIGHT, MULTI-FOCAL
>EYES; RED DISCHARGE; EYE-LEFT; VERIFIED AT NECROPSY: OBSERVED		-TELANGIECTASIS,-MINIMAL, MULTI-FOCAL
		KIDNEY (KD) :
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		-MINERALIZATION, PELVIC,-MINIMAL, FOCAL
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT, MULTI-FOCAL
	ADRENAL, CORTEX (AC) :	ADRENAL, CORTEX (AC) :
	-SMALL; LEFT: 3 MM IN DIAMETER (RIGHT IS 5 MM IN DIAMETER)	-ANGIECTASIS,-MODERATE, MULTI-FOCAL
		-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
		-PIGMENT,-MINIMAL, FOCAL
		-THROMBUS,-MINIMAL, FOCAL
		LN, MESENTERIC (MS) :
		-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL, MULTI-FOCAL
		THYROID (TY) :
		-HEMORRHAGE,-MINIMAL, FOCAL
		-B-ADENOMA, C-CELL,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91214 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/13/99 STUDY DAY OF DEATH: 687 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: 557.1 GRAMS
DATE AND TIME OF NECROPSY: 12/13/99 15:17 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); RIGHT POSTERIOR ASPECT: SINGLE MASS, 4 X 3 X 2 MM, RED, GREY, BROWN AND SOFT -LARGE; 7 X 5 X 5 MM; APPEARS SWOLLEN	PITUITARY (PI) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-MODERATE, MULTI-FOCAL
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT INGUINAL REGION: SINGLE MASS, 19 X 18 X 11 MM, GREY, TAN, AND SOFT; SAME ON CUT SURFACE (CAP 21); REGIONAL LN (INGUINAL) NOT IDENTIFIED -MASS #2; LEFT INGUINAL REGION: SINGLE MASS, 91 X 53 X 35 MM, RED, DARK RED, GREY, TAN, LOBULATED, VASCULAR AND FIRM; SAME ON CUT SURFACE; PORTION COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED; POSSIBLY CONSISTENT WITH MASS (VENTRAL-LEFT- ABDOMINAL REGION) AS NOTED IN CLINICAL OBSERVATIONS -MASS #3; INVOLVING ENTIRE VENTRAL CERVICAL AND THORACIC REGIONS: SINGLE MASS, 101 X 97 X 58 MM (141.7 GRAMS), RED, DARK RED, GREY, TAN, LOBULATED, VASCULAR AND SOFT; SAME ON CUT SURFACE; PORTION COLLECTED; REGIONAL LN (SEE MANDIBULAR)	MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,- 3 NEOPLASMS PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91214 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/13/99 STUDY DAY OF DEATH: 687 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: 557.1 GRAMS
DATE AND TIME OF NECROPSY: 12/13/99 15:17 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	UTERUS (UT) : -CYST(S); BILATERAL, WITHIN WALLS: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 5 MM IN DIAMETER	UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,- MODERATE, MULTI-FOCAL
		CAUSE OF DEATH (CD) : -MAMMARY FIBROADENOMA,-PRESENT
	LN, MANDIBULAR (MN) : -LARGE; BILATERAL: EACH IS UP TO 6 X 5 X 3 MM (CAP 22)	LN, MANDIBULAR (MN) : >TISSUE MISSING
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; LEFT: DRY, RED MATERIAL -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91214 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/13/99 STUDY DAY OF DEATH: 687 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: 557.1 GRAMS
DATE AND TIME OF NECROPSY: 12/13/99 15:17 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91215 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 02/07/99 STUDY DAY OF DEATH: 378 STUDY WEEK OF DEATH: 54 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 02/07/99 12:55 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: NOT OBSERVED >HOUSING,FOOD,WATER & MAINT.; TEETH CUT; VERIFIED AT NECROPSY: NOT APPLICABLE >SKIN & PELAGE; COLD TO TOUCH; LIMBS-HIND; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) PITUITARY (PI) : -MASS(ES); 15 X 15 X 12 MM, DARK RED, TAN, AND SOFT	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT -HEMORRHAGE,-MODERATE, MULTI-FOCAL LIVER (LI) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -MINERALIZATION, TUBULAR,-MINIMAL, MULTI-FOCAL ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MINIMAL, MULTI-FOCAL -HEMORRHAGE,-MINIMAL, MULTI-FOCAL THYMUS (TH) : -CYST,-PRESENT THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT PITUITARY (PI) : -HEMORRHAGE,-SEVERE, MULTI-FOCAL -PIGMENT,-MINIMAL, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT MAMMARY, FEMALE (MF) : -GALACTOCELE,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91215 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 02/07/99 STUDY DAY OF DEATH: 378 STUDY WEEK OF DEATH: 54 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 02/07/99 12:55 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	
		UTERUS (UT) : -DILATATION,-MINIMAL, MULTI-FOCAL
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91215 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 02/07/99 STUDY DAY OF DEATH: 378 STUDY WEEK OF DEATH: 54 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 02/07/99 12:55 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91216 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 365.8 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 13:28 PROSECTOR: JARED FISHEL RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED >MASS(ES); INGUINAL REGION-RIGHT; WEEK 98; 50 X 30MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -CYST, BILIARY,-MODERATE, FOCAL -TELANGIECTASIS,-MINIMAL, FOCAL -VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL PANCREAS (PA) : -ATROPHY, ACINAR,-MINIMAL, MULTI-FOCAL -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT
	ADRENAL, CORTEX (AC) : -MASS(ES); INVOLVING ENTIRE LEFT GLAND: SINGLE MASS, 18 X 13 X 10 MM, DARK RED, TAN AND LOBULATED; ON SECTION, EXUDES A TAN CASEOUS MATERIAL; REGIONAL LN (SEE RENAL)	ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-MODERATELY SEVERE, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL ADRENAL, MEDULLA (MA) : -M-MALIGNANT PHEOCHROMOCYTOMA,-NEOPLASM PRESENT
	OVARY (OV) : -CYST(S); BILATERAL: MULTIPLE CLEAR FLUID FILLED CYSTS ON EACH, EACH IS UP TO 5 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 01/25/00 13:28 PROSECTOR: JARED FISHEL RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LUNG (LU) : -N-MALIGNANT PHEOCHROMOCYTOMA,-NEOPLASM PRESENT
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); MID ANTERIOR ASPECT: SINGLE DARK RED AREA, 3 MM IN DIAMETER -LARGE; 6 X 5 X 4 MM; APPEARS SWOLLEN	PITUITARY (PI) : -HEMORRHAGE,-MODERATELY SEVERE, FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT INGUINAL REGION: SINGLE MASS, 30 X 25 X 20 MM, TAN, FIRM AND LOBULATED; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NORMAL (CAP 23)	MAMMARY, FEMALE (MF) : -GALACTOCELE,-MINIMAL, MULTI-FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, RENAL (RL) : -LARGE; RIGHT: 7 X 4 X 2 MM (LEFT IS 3 X 2 X 1 MM) (CAP 22) -DIFFUSELY RED; RIGHT: DARK RED	LN, RENAL (RL) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 01/25/00 13:28 PROSECTOR: JARED FISHEL RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
THYROID (TY), URINARY BLADDER (UB), LN, INGUINAL (IN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91217 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/12/99 STUDY DAY OF DEATH: 472 STUDY WEEK OF DEATH: 68 TERMINAL BODY WEIGHT: 271.5 GRAMS
DATE AND TIME OF NECROPSY: 05/12/99 13:45 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>SKIN & PELAGE; BROWN HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED
>RESPIRATION; IRREGULAR; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

KIDNEY (KD) :
-LARGE PELVIS(ES); TRIMMING COMMENT: RIGHT

OVARY (OV) :
-CYST(S); TRIMMING COMMENT: RIGHT: SINGLE CLEAR FLUID FILLED CYST, 2 MM IN DIAMETER

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
-DILATATION, VENTRICULAR,-PRESENT
LIVER (LI) :
-VACUOLATION, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL
KIDNEY (KD) :
-CAST, PROTEINACEOUS,-MODERATE, FOCAL
-DILATATION, PELVIC,-PRESENT
-HEMORRHAGE,-SLIGHT, FOCAL
-HYPERPLASIA, TRANSITIONAL CELL,-MINIMAL, MULTI-FOCAL
-MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL
ADRENAL, CORTEX (AC) :
-ANGIECTASIS,-MINIMAL, MULTI-FOCAL
-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
OVARY (OV) :
-CYST,-PRESENT
THYROID (TY) :
-B-ADENOMA, C-CELL,-NEOPLASM PRESENT
PITUITARY (PI) :
-HEMORRHAGE,-SLIGHT, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 10 X 8 X 8 MM, RED, DARK RED, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) : -GALACTOCELE,-MINIMAL, MULTI-FOCAL
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; BROWN AND DRY -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED AND CRUSTED -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91218 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/29/99 STUDY DAY OF DEATH: 673 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 329.4 GRAMS
DATE AND TIME OF NECROPSY: 11/29/99 14:41 PROSECTOR: JODI THIEREN RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE
>DISCHARGE; NASAL; RED IN COLOR; VERIFIED AT NECROPSY: NOT OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

LIVER (LI) :
-DIFFUSELY LIGHT; PAPILLARY PROCESS: TAN (CAP 21)

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
-DILATATION, VENTRICULAR,-PRESENT
LIVER (LI) :
-FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-SLIGHT, FOCAL
-HEMORRHAGE,-MODERATE, MULTI-FOCAL
-INFLAMMATION, CHRONIC,-SLIGHT, MULTI-FOCAL
-NECROSIS, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL
-TELANGIECTASIS,-MINIMAL, FOCAL
KIDNEY (KD) :
-DILATATION, PELVIC,-PRESENT
-MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL
ADRENAL, CORTEX (AC) :
-ANGIECTASIS,-MODERATE, MULTI-FOCAL
-DEGENERATION, CYSTIC, CORTICAL,-MODERATE, MULTI-FOCAL
-HEMORRHAGE,-MODERATE, MULTI-FOCAL
THYMUS (TH) :
-CYST,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 15 X 10 X 10 MM, DARK RED, GRAY AND FIRM	PITUITARY (PI) : -HEMORRHAGE,-SEVERE, DIFFUSE -PIGMENT,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -THICKENED WALL; DIFFUSE	STOMACH, GL (ST) : >UNREMARKABLE
	STOMACH, NONGL (SU) : -THICKENED WALL; DIFFUSE	STOMACH, NONGL (SU) : >UNREMARKABLE
		MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL
		CERVIX (CV) : -DILATATION,-SLIGHT, FOCAL -B-POLYP, ENDOMETRIAL STROMAL,-NEOPLASM PRESENT
		UTERUS (UT) : -DILATATION,-SLIGHT, FOCAL
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91219 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/27/99 STUDY DAY OF DEATH: 610 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: 252.9 GRAMS
DATE AND TIME OF NECROPSY: 09/27/99 12:00 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		-DILATATION, VENTRICULAR,-PRESENT
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) :
>MASS(ES); VENTRAL-ABDOMINAL; WEEK 88; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED		-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE		ADRENAL, CORTEX (AC) :
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		-ANGIECTASIS,-SLIGHT, MULTI-FOCAL
		-DEGENERATION, CYSTIC, CORTICAL,-SLIGHT, FOCAL
		-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
		-PIGMENT,-MINIMAL, MULTI-FOCAL
		LUNG (LU) :
		-MINERALIZATION,-MINIMAL, FOCAL
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 11 X 7 X 7 MM, RED, DARK RED, TAN AND SOFT	-HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) :	MAMMARY, FEMALE (MF) :
	-MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 18 X 13 X 8 MM, RED, TAN AND FIRM; SAME ON CUT SURFACE (CAP 21); REGIONAL LN (INGUINAL) NOT IDENTIFIED	-GALACTOCELE,-MINIMAL, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91219 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/27/99 STUDY DAY OF DEATH: 610 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: 252.9 GRAMS
DATE AND TIME OF NECROPSY: 09/27/99 12:00 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	VAGINA (VA) : -SEMIFLUID MATERIAL; MUCOSA: GREEN MUCOID MATERIAL	VAGINA (VA) : >UNREMARKABLE
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; DARK RED, DRY MATERIAL -DISCHARGE-NASAL; DARK RED, DRY MATERIAL -MALOCCLUSION; BILATERAL UPPER INCISORS -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91219 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/27/99 STUDY DAY OF DEATH: 610 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: 252.9 GRAMS
DATE AND TIME OF NECROPSY: 09/27/99 12:00 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91220 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 622.6 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 7:40 PROSECTOR: TERRI L. WILLIAMS RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 82; 70 X 70MM; VERIFIED AT NECROPSY: OBSERVED >MASS(ES); VENTRAL-ABDOMINAL; WEEK 82; 20 X 20MM; VERIFIED AT NECROPSY: OBSERVED >MASS(ES); AXILLARY REGION-RIGHT; WEEK 84; 40 X 35MM; VERIFIED AT NECROPSY: OBSERVED >MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 97; 40 X 30MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE RED AREAS, UP TO 2 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS PANCREAS (PA) : -MASS(ES); WITHIN PANCREAS, NEAR SPLEEN: SINGLE MASS, 14 X 10 X 8 MM, RED, DARK RED, TAN, LOBULATED, FIRM, AND VASCULAR; SAME ON CUT SURFACE; COLLECTED INTACT WITH PANCREAS; REGIONAL LN (SEE ANTERIOR MESENTERIC)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -DEGENERATION, CYSTIC,-MINIMAL, FOCAL -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MODERATE, MULTI-FOCAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL, FOCAL -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL -VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, FOCAL PANCREAS (PA) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91220 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 622.6 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 7:40 PROSECTOR: TERRI L. WILLIAMS RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 10 X 8 X 6 MM, RED, DARK RED, TAN, LOBULATED, AND SOFT MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 40 X 35 X 25 MM, RED, DARK RED, TAN, FIRM, AND LOBULATED; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 20) -MASS #2; RIGHT INGUINAL REGION: SINGLE MASS, 35 X 30 X 20 MM, RED, TAN, FIRM, AND LOBULATED; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED -THICKENED; ALL REGIONS, DIFFUSE: COLLECTED ON ROUTINE SECTION -MASS #3; LEFT INGUINAL REGION: SINGLE MASS, 23 MM IN DIAMETER, RED, TAN, AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED -MASS #4; LEFT INGUINAL REGION: SINGLE MASS, 70 X 70 X 50 MM, RED, DARK RED, TAN, FIRM, LOBULATED, AND VASCULAR; SOME SECTIONS EXUDE A TAN CREAMY SEMIFLUID; PORTION COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	PITUITARY (PI) : -PIGMENT,-MINIMAL, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATE, MULTI-FOCAL -PIGMENT,-MODERATE, FOCAL -B-FIBROADENOMA,- 4 NEOPLASMS PRESENT UTERUS (UT) : -DILATATION,-SEVERE, DIFFUSE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91220 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 622.6 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 7:40 PROSECTOR: TERRI L. WILLIAMS RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	UTERUS (UT) : -CYST(S); WITHIN WALLS OF LEFT HORN: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 6 MM IN DIAMETER	
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, MANDIBULAR (MN) : -MOTTLED; BILATERAL: RED AND TAN; COLLECTED	LN, MANDIBULAR (MN) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL, MULTI-FOCAL
	LN, ANT MES/PANC (AP) : -DIFFUSELY RED; (CAP 21)	LN, ANT MES/PANC (AP) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91220 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 622.6 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 7:40 PROSECTOR: TERRI L. WILLIAMS RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), URINARY BLADDER (UB), LN, AXILLARY (AX)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91221 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 591.2 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 7:42 PROSECTOR: JARED FISHEL RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MODERATE, FOCAL -VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL PANCREAS (PA) : -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 6 MM IN DIAMETER, DARK RED, TAN AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91221 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 591.2 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 7:42 PROSECTOR: JARED FISHEL RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-MALOCCLUSION; BILATERAL, LOWER INCISORS
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), URINARY BLADDER (UB)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91222 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 242.1 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 9:43 PROSECTOR: TODD ACKER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	7.3014	3.0159 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LEFT OVARY (OV0)	--------	--------	--------	NOT TAKEN
RIGHT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT THYROID/PAR (TT0)	--------	--------	--------	NOT TAKEN
RIGHT THYROID/PR (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91222 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 242.1 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 9:43 PROSECTOR: TODD ACKER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91223 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 213.9 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 14:06 PROSECTOR: MICHELE MARGGI RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0320	.0150 %	.0181	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0307	.0144 %	.0173	WEIGHT TAKEN
BRAIN (BR)	1.7695	.8273 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	.7838	.3664 %	.4430	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	.7669	.3585 %	.4334	WEIGHT TAKEN
LIVER (LI)	6.6720	3.1192 %	3.7706	WEIGHT TAKEN
LUNG (LU)	1.0099	.4721 %	.5707	WEIGHT TAKEN
LEFT OVARY (OV0)	.0434	.0203 %	.0245	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0275	.0129 %	.0155	WEIGHT TAKEN
SPLEEN (SP)	.3311	.1548 %	.1871	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0061	.0029 %	.0034	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0098	.0046 %	.0055	WEIGHT TAKEN
UTERUS (UT)	.4363	.2040 %	.2466	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

LIVER (LI) :
-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91223 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 213.9 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 14:06 PROSECTOR: MICHELE MARGGI RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91224 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/02/99 STUDY DAY OF DEATH: 676 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 325.5 GRAMS
DATE AND TIME OF NECROPSY: 12/02/99 14:29 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) :	BRAIN (BR) :
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>DISCHARGE; GENITAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) :	LIVER (LI) :
	-RED FOCUS(I)/AREA(S); DIAPHRAGMATIC SURFACE OF RIGHT MEDIAN LOBE: SINGLE DARK RED AREA, 7 MM IN DIAMETER; SUNKEN WITH A STELLATE PATTERN; COLLECTED ON ROUTINE SECTION	-TELANGIECTASIS,-SLIGHT, MULTI-FOCAL
		KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
		ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL -MINERALIZATION,-MINIMAL, FOCAL -THROMBUS,-MINIMAL, FOCAL
	OVARY (OV) :	OVARY (OV) :
	-CYST(S); LEFT: SINGLE CLEAR FLUID FILLED CYST, 4 MM IN DIAMETER	-CYST,-PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 12 X 8 X 8 MM, RED, DARK RED, GREY, TAN AND SOFT	-B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) :
		-INFLAMMATION, CHRONIC,-MINIMAL, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91224 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/02/99 STUDY DAY OF DEATH: 676 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 325.5 GRAMS
DATE AND TIME OF NECROPSY: 12/02/99 14:29 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -CYST(S); INGUINAL REGIONS, DIFFUSE: MULTIPLE TAN CREAMY FLUID FILLED CYSTS, UP TO 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL
	UTERUS (UT) : -CYST(S); BILATERAL, WITHIN LUMEN: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 5 MM IN DIAMETER	UTERUS (UT) : -DILATATION,-MODERATE, DIFFUSE
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; YELLOW -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: RED -DISCHARGE-NASAL; BILATERAL: RED	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91224 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/02/99 STUDY DAY OF DEATH: 676 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 325.5 GRAMS
DATE AND TIME OF NECROPSY: 12/02/99 14:29 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91225 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/02/99 STUDY DAY OF DEATH: 585 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 446.7 GRAMS
DATE AND TIME OF NECROPSY: 09/02/99 8:07 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>APPEARANCE; MISSING; TEETH; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED		KIDNEY (KD) :
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
>APPEARANCE; SWOLLEN; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED		-MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL
		SPLEEN (SP) :
		-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE, DIFFUSE
	PANCREAS (PA) :	PANCREAS (PA) :
>SKIN & PELAGE; COLD TO TOUCH; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE	-LARGE VESSELS; UP TO 3 MM IN DIAMETER; COLLECTED INTACT	-I-ENDOMETRIAL STROMAL SARCOMA,-NEOPLASM PRESENT
>SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE		ADRENAL, CORTEX (AC) :
		-ANGIECTASIS,-SLIGHT, MULTI-FOCAL
>EYES; PALE; EYES; VERIFIED AT NECROPSY: NOT APPLICABLE		-DEGENERATION, CYSTIC, CORTICAL,-MINIMAL, MULTI-FOCAL
		-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
	LN, MESENTERIC (MS) :	LN, MESENTERIC (MS) :
	-LARGE; UP TO 5 MM IN DIAMETER	>TISSUE MISSING
	OVARY (OV) :	OVARY (OV) :
	-MISSING/NOT IDENTIFIED; LEFT: NOT POSITIVELY IDENTIFIED; POSSIBLE REMNANTS COLLECTED	-ONE EXAMINED,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91225 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/02/99 STUDY DAY OF DEATH: 585 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 446.7 GRAMS
DATE AND TIME OF NECROPSY: 09/02/99 8:07 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL
	THYROID (TY) : -DIFFUSELY RED; LEFT: DARK RED	THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 6 X 5 X 4 MM, DARK RED AND FIRM	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -RED FOCUS(I)/AREA(S); MUCOSA: SINGLE DARK RED LINEAR AREA, 3 X 1 MM	STOMACH, GL (ST) : >UNREMARKABLE
	CERVIX (CV) : -MASS(ES); INVOLVING ENTIRE CERVIX: MULTIPLE MASSES, UP TO 64 X 34 X 33 MM, ALL ARE RED, DARK RED, TAN, GELATINOUS, LOBULATED AND SOFT; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (SEE LUMBAR) POSSIBLY CONSISTENT WITH SWOLLEN ABDOMEN NOTED IN CLINICAL OBSERVATIONS	CERVIX (CV) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -NECROSIS,-MODERATELY SEVERE, MULTI-FOCAL -M-SARCOMA, ENDOMETRIAL STROMAL,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -ENDOMETRIAL STROMAL SARCOMA,-PRESENT
		CAVITY, ABDOM (PC) : -I-ENDOMETRIAL STROMAL SARCOMA,-NEOPLASM PRESENT
		LN, LUMBAR/ILIAC (LM) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91225 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/02/99 STUDY DAY OF DEATH: 585 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 446.7 GRAMS
DATE AND TIME OF NECROPSY: 09/02/99 8:07 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LN, LUMBAR/ILIAC (LM) : -MOTTLED; BILATERAL: RED AND TAN (CAP 20) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL, UPPER INCISORS -TEETH MISSING/BROKEN/WORN; BROKEN AT BASE: BILATERAL, UPPER INCISORS	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91225 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/02/99 STUDY DAY OF DEATH: 585 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 446.7 GRAMS
DATE AND TIME OF NECROPSY: 09/02/99 8:07 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), ADRENAL, MEDULLA (MA), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91226 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/13/99 STUDY DAY OF DEATH: 596 STUDY WEEK OF DEATH: 86 TERMINAL BODY WEIGHT: 377.8 GRAMS
DATE AND TIME OF NECROPSY: 09/13/99 15:15 PROSECTOR: TERRI L. WILLIAMS RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-LEFT; WEEK 59; 40 X 45MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
		-DILATATION, VENTRICULAR,-PRESENT
>MASS(ES); INGUINAL REGION-LEFT; WEEK 64; 40 X 60MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) :
		-MINERALIZATION, PELVIC,-MODERATE, FOCAL
>MASS(ES); INGUINAL REGION-RIGHT; WEEK 74; 40 X 40MM; VERIFIED AT NECROPSY: OBSERVED		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
		ADRENAL, CORTEX (AC) :
>MASS(ES); VENTRAL-CERVICAL-RIGHT; WEEK 78; 30 X 30MM; VERIFIED AT NECROPSY: OBSERVED		-DEGENERATION, CYSTIC, CORTICAL,-MODERATE, FOCAL
		-HEMORRHAGE,-MODERATE, FOCAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED	OVARY (OV) :	OVARY (OV) :
	-CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 3 MM IN DIAMETER	-CYST,-PRESENT
		-MINERALIZATION,-MINIMAL, FOCAL
>APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE		LUNG (LU) :
		-MINERALIZATION, VASCULAR,-MINIMAL, FOCAL
>RESPIRATION; AUDIBLE; VERIFIED AT NECROPSY: NOT APPLICABLE		THYROID (TY) :
		-CYST, ULTIMOBRANCHIAL,-PRESENT
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 11 X 8 X 7 MM, RED, DARK RED, TAN AND SOFT	-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91226 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/13/99 STUDY DAY OF DEATH: 596 STUDY WEEK OF DEATH: 86 TERMINAL BODY WEIGHT: 377.8 GRAMS
DATE AND TIME OF NECROPSY: 09/13/99 15:15 PROSECTOR: TERRI L. WILLIAMS RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 30 X 25 X 15 MM, RED, DARK RED, FIRM AND LOBULATED; ON CUT SURFACE EXUDES A TAN SEMISOLID; COLLECTED; REGIONAL LN (SEE AXILLARY) -CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE TAN CREAMY FLUID FILLED CYSTS, UP TO 6 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION -MASS #2; LEFT AXILLARY REGION: SINGLE MASS, 45 X 40 X 20 MM, RED, DARK RED, TAN, LOBULATED AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (SEE AXILLARY) -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION -MASS #3; LEFT INGUINAL REGION: SINGLE MASS, 60 X 38 X 30 MM, RED, DARK RED, TAN, BROWN, LOBULATED AND FIRM; SOME SECTIONS EXUDE A TAN SEMIFLUID; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -GALACTOCELE,-SEVERE, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-FIBROADENOMA,- 3 NEOPLASMS PRESENT -M-CARCINOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91226 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/13/99 STUDY DAY OF DEATH: 596 STUDY WEEK OF DEATH: 86 TERMINAL BODY WEIGHT: 377.8 GRAMS
DATE AND TIME OF NECROPSY: 09/13/99 15:15 PROSECTOR: TERRI L. WILLIAMS RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS #4; RIGHT INGUINAL REGION: SINGLE MASS, 36 X 24 X 24 MM, RED, DARK RED, TAN AND FIRM; ON SECTION, FILLED WITH A DARK BROWN FLUID AND A TAN SEMISOLID; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	LN, AXILLARY (AX) : -MOTTLED; BILATERAL: RED AND TAN (CAP 21)	LN, AXILLARY (AX) : >UNREMARKABLE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: RED	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91226 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/13/99 STUDY DAY OF DEATH: 596 STUDY WEEK OF DEATH: 86 TERMINAL BODY WEIGHT: 377.8 GRAMS
DATE AND TIME OF NECROPSY: 09/13/99 15:15 PROSECTOR: TERRI L. WILLIAMS RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91227 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 527.9 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 8:34 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); INGUINAL REGION-RIGHT; WEEK 84; 100 X 70MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL
>MASS(ES); INGUINAL REGION-LEFT; WEEK 86; 85 X 65MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
	ADRENAL, CORTEX (AC) : -MASS(ES); INVOLVING ENTIRE RIGHT GLAND: SINGLE MASS, 10 MM IN DIAMETER, DARK RED, BROWN AND FIRM; COLLECTED; REGIONAL LN (RENAL) NOT IDENTIFIED	ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-SEVERE, FOCAL -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -THROMBUS,-MODERATE, FOCAL
		LUNG (LU) : -HYPERPLASIA, TYPE II PNEUMOCYTE,-SLIGHT, MULTI-FOCAL -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL
	PITUITARY (PI) : -RAISED AREA(S); LEFT ANTERIOR ASPECT: SINGLE DARK RED FOCUS, 1 MM IN DIAMETER	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91227 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 527.9 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 8:34 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT PERINEAL AND PERIANAL REGIONS: SINGLE MASS, 80 X 55 X 25 MM (WEIGHS 58.2 GRAMS), TAN, GREY, RED, FIRM AND VASCULAR; SAME ON CUT SURFACE; PORTION COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED -MASS #2; RIGHT INGUINAL REGION, EXTENDING INTO RIGHT PERIANAL REGION: SINGLE MASS, 100 X 60 X 40 MM (WEIGHS 125.2 GRAMS), TAN, RED, FIRM AND VASCULAR; SAME ON CUT SURFACE; PORTION COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91227 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 527.9 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 8:34 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), ADRENAL, MEDULLA (MA), THYROID (TY), URINARY BLADDER (UB)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91228 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/08/99 STUDY DAY OF DEATH: 652 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 313.5 GRAMS
DATE AND TIME OF NECROPSY: 11/08/99 14:40 PROSECTOR: JODI THIEREN RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 82; 25 X 20MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED		ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL
>SKIN & PELAGE; BROWN HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED		ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT
		OVARY (OV) : -CYST,-PRESENT
		HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL
	PITUITARY (PI) : -MASS(ES); 13 X 9 X 7 MM, RED, DARK RED, LOBULATED AND FIRM	PITUITARY (PI) : -CYST,-PRESENT -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, NONGL (SU) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN PINPOINT FOCI	STOMACH, NONGL (SU) : -EDEMA,-MODERATELY SEVERE, DIFFUSE -EROSION,-MODERATE, FOCAL -INFLAMMATION, ACUTE,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 30 X 27 X 15 MM, TAN, GREY, LOBULATED AND FIRM: SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (SEE AXILLARY) -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATE, MULTI-FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT
	VAGINA (VA) : -SEMIFLUID MATERIAL; WITHIN LUMEN: LIGHT GREEN MUCOID SEMIFLUID MATERIAL	VAGINA (VA) : >UNREMARKABLE
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	LN, AXILLARY (AX) : -MOTTLED; BILATERAL: RED AND TAN (CAP 21)	LN, AXILLARY (AX) : >UNREMARKABLE
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; BOTH REGIONS: MOIST, BROWN MATERIAL -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY, DARK RED MATERIAL -STAINS - SKIN/HAIRCOAT; ENTIRE HEAD: DRY, RED MATERIAL	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 11/08/99 14:40 PROSECTOR: JODI THIEREN RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91229 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/08/99 STUDY DAY OF DEATH: 652 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 251.4 GRAMS
DATE AND TIME OF NECROPSY: 11/08/99 14:40 PROSECTOR: JARED FISHEL RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 82; 50 X 45MM; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; BLUE SKIN; VENTRAL-ABDOMINAL-LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>RESPIRATION; IRREGULAR; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

LIVER (LI) :
-LIGHT FOCUS(I)/AREA(S); DIAPHRAGMATIC SURFACE OF LEFT LATERAL LOBE: SINGLE TAN AREA, 15 X 10 MM; COLLECTED ON ROUTINE SECTION

ADRENAL, CORTEX (AC) :
-LARGE; BILATERAL: EACH IS 7 MM IN DIAMETER

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
-DILATATION, VENTRICULAR,-PRESENT
LIVER (LI) :
-FIBROSIS,-MODERATE, MULTI-FOCAL
-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
-NECROSIS, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
ADRENAL, CORTEX (AC) :
-ANGIECTASIS,-MODERATELY SEVERE, MULTI-FOCAL
-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
-PIGMENT,-MINIMAL, MULTI-FOCAL
LN, MESENTERIC (MS) :
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL, MULTI-FOCAL
OVARY (OV) :
-MINERALIZATION,-MINIMAL, MULTI-FOCAL
THYMUS (TH) :
>SECTION EXAMINED; TISSUE NOT PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91229 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
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DATE AND TIME OF NECROPSY: 11/08/99 14:40 PROSECTOR: JARED FISHEL RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	THYMUS (TH) : -MISSING/NOT IDENTIFIED; NOT POSITIVELY IDENTIFIED; POSSIBLE REMNANTS COLLECTED	
		THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT
	PITUITARY (PI) : -MASS(ES); 9 X 8 X 8 MM, DARK RED AND SOFT	PITUITARY (PI) : -CYST,-PRESENT -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -PIGMENT,-MINIMAL, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	SKIN (SK) : >NOTE:>ROUTINE SECTION TAKEN FROM RIGHT INGUINAL REGION DUE TO MASS ON LEFT INGUINAL REGION	
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 45 X 40 X 35 MM, DARK RED, BROWN, TAN, LOBULATED AND SOFT; ON SECTION EXUDES A BROWN SEMIFLUID; COLLECTED; REGIONAL LN (INGUINAL) NORMAL (CAP 21) >NOTE:>ROUTINE SECTION TAKEN FROM RIGHT INGUINAL REGION DUE TO MASS ON LEFT INGUINAL REGION	MAMMARY, FEMALE (MF) : -GALACTOCELE,-SEVERE, MULTI-FOCAL -MINERALIZATION,-MINIMAL, MULTI-FOCAL -M-CARCINOMA,-NEOPLASM PRESENT
	VAGINA (VA) : -SEMIFLUID MATERIAL; WITHIN LUMEN: LIGHT GREEN MUCOID SEMIFLUID MATERIAL	VAGINA (VA) : >UNREMARKABLE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91229 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/08/99 STUDY DAY OF DEATH: 652 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 251.4 GRAMS
DATE AND TIME OF NECROPSY: 11/08/99 14:40 PROSECTOR: JARED FISHEL RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-PITUITARY ADENOMA,-PRESENT

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-ANIMAL THIN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), HEMATO NEOPLASIA (HN), LN, INGUINAL (IN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91230 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 209.9 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 8:30 PROSECTOR: DONIA MEYER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	6.6675	3.1765 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LEFT OVARY (OV0)	--------	--------	--------	NOT TAKEN
RIGHT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT THYROID/PAR (TT0)	--------	--------	--------	NOT TAKEN
RIGHT THYROID/PR (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 02/18/98 8:30 PROSECTOR: DONIA MEYER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91231 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/26/99 STUDY DAY OF DEATH: 639 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: 467.1 GRAMS
DATE AND TIME OF NECROPSY: 10/26/99 14:06 PROSECTOR: JOHN S. HALFORD RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT OBSERVED		-DILATATION, VENTRICULAR,-PRESENT
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) :
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE		-VACUOLATION, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL
>DISCHARGE; NASAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) :
		-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
		-MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL
		ADRENAL, CORTEX (AC) :
		-ANGIECTASIS,-SLIGHT, FOCAL
		-HEMORRHAGE,-SLIGHT, FOCAL
		-VACUOLATION,-MODERATE, FOCAL
		OVARY (OV) :
		-CYST,-PRESENT
		HEART (HT) :
		-DEGENERATION/NECROSIS,-MINIMAL, FOCAL
		THYROID (TY) :
		-CYST, ULTIMOBRANCHIAL,-PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 9 X 8 X 8 MM, RED, GRAY, TAN AND SOFT	-B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA, TISSUE SURROUNDING PYLORIC VALVE: MULTIPLE DARK BROWN FOCI, UP TO 1 MM IN DIAMETER -THICKENED WALL; MUCOSA	STOMACH, GL (ST) : >UNREMARKABLE
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: MULTIPLE TAN, SLIGHTLY ERODED AREAS, UP TO 2 X 1 MM -THICKENED WALL; MUCOSA	STOMACH, NONGL (SU) : -EDEMA,-SLIGHT, MULTI-FOCAL -INFLAMMATION, ACUTE,-SLIGHT, MULTI-FOCAL
	SKIN (SK) : -CRUSTED AREA(S); ATTACHED TO RIGHT LOWER LIP: SINGLE DRY AND TAN CRUSTED AREA, 5 X 3 MM (CAP 21)	SKIN (SK) : -ACUTE INFLAMMATORY EXUDATE,-MODERATELY SEVERE, FOCAL
		MAMMARY, FEMALE (MF) : -GALACTOCELE,-MINIMAL, MULTI-FOCAL
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	CAVITY, ABDOM (PC) : -MASS(ES); ATTACHED TO OMENTUM, CRANIAL TO LEFT OVARY: SINGLE MASS, 25 X 10 X 10 MM, DARK BROWN, GRAY, TAN, GREEN AND FIRM; SAME ON CUT SURFACE (CAP 22); REGIONAL LN (MESENTERIC) NORMAL	CAVITY, ABDOM (PC) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -NECROSIS, FAT,-PRESENT
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; BOTH REGIONS: BROWN, MOIST MATERIAL	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY, RED MATERIAL -DISCHARGE-NASAL; DRY, RED MATERIAL -STAINS - SKIN/HAIRCOAT; ENTIRE HEAD: DRY, RED MATERIAL -ANIMAL OBESE	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91231 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/26/99 STUDY DAY OF DEATH: 639 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: 467.1 GRAMS
DATE AND TIME OF NECROPSY: 10/26/99 14:06 PROSECTOR: JOHN S. HALFORD RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91232 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 398.9 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 9:45 PROSECTOR: TONY HANFELD RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -MINERALIZATION, PELVIC,-SLIGHT, FOCAL LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL THYROID (TY) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	CERVIX (CV) : -MASS(ES); WITHIN LUMEN: SINGLE MASS, 9 X 8 X 6 MM, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (LUMBAR) NORMAL (CAP 20)	CERVIX (CV) : -B-POLYP, ENDOMETRIAL STROMAL,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91232 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 398.9 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 9:45 PROSECTOR: TONY HANFELD RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LIVER (LI), PANCREAS (PA), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), LN, LUMBAR/ILIAC (LM)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91233 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 247.1 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 14:25 PROSECTOR: DONIA MEYER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0433	.0175 %	.0217	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0344	.0139 %	.0173	WEIGHT TAKEN
BRAIN (BR)	1.9921	.8062 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.0609	.4293 %	.5326	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.0182	.4121 %	.5111	WEIGHT TAKEN
LIVER (LI)	7.5938	3.0732 %	3.8120	WEIGHT TAKEN
LUNG (LU)	1.1176	.4523 %	.5610	WEIGHT TAKEN
LEFT OVARY (OV0)	.0518	.0210 %	.0260	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0586	.0237 %	.0294	WEIGHT TAKEN
SPLEEN (SP)	.4480	.1813 %	.2249	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0064	.0026 %	.0032	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0129	.0052 %	.0065	WEIGHT TAKEN
UTERUS (UT)	.4988	.2019 %	.2504	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 247.1 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 14:25 PROSECTOR: DONIA MEYER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91234 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/29/99 STUDY DAY OF DEATH: 459 STUDY WEEK OF DEATH: 66 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/29/99 11:13 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LIVER (LI) : -MOTTLED; ALL LOBES: BROWN AND TAN PITUITARY (PI) : -MASS(ES); 7 X 7 X 6 MM, DARK RED, RED, AND SOFT STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: MULTIPLE TAN ERODED AREAS, UP TO 3 X 2 MM	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL -VACUOLATION, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, FOCAL -MINERALIZATION, TUBULAR,-MINIMAL, FOCAL -PYELONEPHRITIS,-MINIMAL, FOCAL PITUITARY (PI) : -HEMORRHAGE,-SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT STOMACH, NONGL (SU) : -EDEMA,-MODERATE, FOCAL -EROSION,-MODERATE, FOCAL -INFLAMMATION, ACUTE,-MINIMAL, FOCAL CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91234 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/29/99 STUDY DAY OF DEATH: 459 STUDY WEEK OF DEATH: 66 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/29/99 11:13 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91235 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 454.2 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 11:34 PROSECTOR: JODI THIEREN RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -LIGHT FOCUS(I)/AREA(S); JUNCTION OF RIGHT AND LEFT MEDIAN LOBES: SINGLE TAN AREA, 4 X 3 MM; EXTRA SECTION COLLECTED KIDNEY (KD) : -GRANULAR MATERIAL; BILATERAL, WITHIN PELVIS: MULTIPLE WHITE PINPOINT GRANULES ADRENAL, CORTEX (AC) : -CYST(S); RIGHT, WITHIN CORTEX: MULTIPLE RED FLUID FILLED CYSTS, UP TO 2 MM IN DIAMETER PITUITARY (PI) : -DARK FOCUS(I)/AREA(S); LEFT ANTERIOR ASPECT: SINGLE DARK BROWN AREA, 2 MM IN DIAMETER	LIVER (LI) : -LIPIDOSIS, SUBCAPSULAR (TENSION LIPIDOSIS),-SEVERE, FOCAL KIDNEY (KD) : -MINERALIZATION, PELVIC,-MODERATE, FOCAL PANCREAS (PA) : -ATROPHY, ACINAR,-SLIGHT, FOCAL -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATELY SEVERE, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -PIGMENT,-MINIMAL, MULTI-FOCAL -THROMBUS,-SLIGHT, MULTI-FOCAL PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91235 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 454.2 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 11:34 PROSECTOR: JODI THIEREN RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	CERVIX (CV) : -LARGE; DIFFUSE: 8 MM IN DIAMETER	CERVIX (CV) : -HYPERTROPHY, SMOOTH MUSCLE,-MINIMAL, DIFFUSE CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, MEDIASTINAL (ML) : -LARGE; UP TO 4 X 3 X 1 MM -DIFFUSELY RED; DARK RED (CAP 20)	LN, MEDIASTINAL (ML) : >TISSUE MISSING >NOTE:>MEDIASTINAL LYMPH NODE DESCRIBED GROSSLY WAS ADIPOSE TISSUE ADIPOSE TISSUE (AT) : -FIBROSIS,-MODERATE, FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91235 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 454.2 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 11:34 PROSECTOR: JODI THIEREN RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), THYROID (TY), URINARY BLADDER (UB)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91236 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 442.6 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 7:43 PROSECTOR: MICHELE MARGGI RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 93; 15 X 15MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LIVER (LI) : -DARK FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK BROWN AREAS, UP TO 4 X 3 MM; COLLECTED ON ROUTINE SECTIONS OVARY (OV) : -CYST(S); LEFT: SINGLE CLEAR FLUID FILLED CYST, 5 MM IN DIAMETER PITUITARY (PI) : -MASS(ES); SINGLE MASS, 5 X 5 X 4 MM, RED, DARK RED, DARK BROWN AND SOFT	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -TELANGIECTASIS,-SLIGHT, FOCAL -VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -MINERALIZATION, PELVIC,-MINIMAL, FOCAL OVARY (OV) : -CYST,-PRESENT LUNG (LU) : -HYPERPLASIA, TYPE II PNEUMOCYTE,-MODERATE, MULTI-FOCAL -INFILTRATE, MACROPHAGE, ALVEOLAR,-MODERATE, MULTI-FOCAL THYROID (TY) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA, C-CELL,-NEOPLASM PRESENT PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -PIGMENT,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91236 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 442.6 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 7:43 PROSECTOR: MICHELE MARGGI RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 30 X 20 X 15 MM, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 20)	MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91236 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 442.6 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 7:43 PROSECTOR: MICHELE MARGGI RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), URINARY BLADDER (UB), LN, AXILLARY (AX)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91237 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 194.6 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 11:00 PROSECTOR: DONIA MEYER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	6.4697	3.3246 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LEFT OVARY (OV0)	--------	--------	--------	NOT TAKEN
RIGHT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT THYROID/PAR (TT0)	--------	--------	--------	NOT TAKEN
RIGHT THYROID/PR (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91237 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 194.6 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 11:00 PROSECTOR: DONIA MEYER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91238 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/10/99 STUDY DAY OF DEATH: 470 STUDY WEEK OF DEATH: 68 TERMINAL BODY WEIGHT: 280.5 GRAMS
DATE AND TIME OF NECROPSY: 05/10/99 13:53 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: NOT OBSERVED >APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED >EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) PITUITARY (PI) : -MASS(ES); 10 X 8 X 8 MM, RED, BROWN, TAN, AND SOFT MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 20 X 15 X 10 MM, TAN, FIRM, AND LOBULATED; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 20)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT LIVER (LI) : -INFLAMMATION, CHRONIC,-MINIMAL, FOCAL KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL -MINERALIZATION, TUBULAR,-MINIMAL, MULTI-FOCAL THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT PITUITARY (PI) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91238 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/10/99 STUDY DAY OF DEATH: 470 STUDY WEEK OF DEATH: 68 TERMINAL BODY WEIGHT: 280.5 GRAMS
DATE AND TIME OF NECROPSY: 05/10/99 13:53 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -STAINS - SKIN/HAIRCOAT; CHEST AND FORELIMBS: RED AND DRY -GI TRACT-DARK FLUID CONTENT; ENTIRE GI TRACT: DARK BROWN, TENACIOUS SEMIFLUID	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91238 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/10/99 STUDY DAY OF DEATH: 470 STUDY WEEK OF DEATH: 68 TERMINAL BODY WEIGHT: 280.5 GRAMS
DATE AND TIME OF NECROPSY: 05/10/99 13:53 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91239 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/01/99 STUDY DAY OF DEATH: 400 STUDY WEEK OF DEATH: 58 TERMINAL BODY WEIGHT: 399.2 GRAMS
DATE AND TIME OF NECROPSY: 03/01/99 13:43 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 35; 45 X 45MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) :
		-HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL, MULTI-FOCAL
>MASS(ES); AXILLARY REGION-LEFT; WEEK 47; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) :
		-MINERALIZATION, PELVIC,-MODERATE, FOCAL
		SPLEEN (SP) :
		-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE, MULTI-FOCAL
		ADRENAL, CORTEX (AC) :
		-ANGIECTASIS,-MODERATE, MULTI-FOCAL
		-HEMORRHAGE,-MODERATE, MULTI-FOCAL
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); SINGLE MASS, 7 X 7 X 4 MM, RED, DARK RED, TAN AND SOFT	-HEMORRHAGE,-MODERATE, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) :
		-GALACTOCELE,-MODERATE, MULTI-FOCAL
		-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
		-M-CARCINOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91239 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
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DATE AND TIME OF NECROPSY: 03/01/99 13:43 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 60 X 55 X 25 MM, RED, DARK RED, TAN, LOBULATED, VASCULAR AND FIRM; SAME ON CUT SURFACE; COLLECTED; OVERLYING SKIN HAS A SINGLE RED AND DRY ULCERATED AREA, 20 X 17 MM; COLLECTED INTACT WITH MASS; REGIONAL LN (AXILLARY) NORMAL (CAP 21) -CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE TAN AND CREAMY SEMIFLUID FILLED CYSTS, UP TO 6 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION AND EXTRA SECTION COLLECTED (CAP 20); POSSIBLY CONSISTENT WITH MASS (LEFT AXILLARY) NOTED IN CLINICAL OBSERVATIONS	
	UTERUS (UT) : -CYST(S); BILATERAL, WITHIN WALLS: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 9 X 6 X 5 MM	UTERUS (UT) : -DILATATION,-MODERATELY SEVERE, DIFFUSE
		CAUSE OF DEATH (CD) : -MAMMARY CARCINOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL, UPPER INCISORS	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 03/01/99 13:43 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91240 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/29/99 STUDY DAY OF DEATH: 550 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 382.6 GRAMS
DATE AND TIME OF NECROPSY: 07/29/99 15:27 PROSECTOR: JILL PAUS RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 74; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE		-DILATATION, VENTRICULAR,-PRESENT
		KIDNEY (KD) :
		-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
		-MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL
		ADRENAL, CORTEX (AC) :
		-ANGIECTASIS,-SLIGHT, MULTI-FOCAL
		-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 10 X 7 X 5 MM, RED, DARK RED, TAN, AND SOFT	-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
		RECTUM (RE) :
		-PARASITISM,-PRESENT
	MAMMARY, FEMALE (MF) :	MAMMARY, FEMALE (MF) :
	-MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 25 X 18 X 15 MM, RED, DARK RED, TAN, AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 20)	-GALACTOCELE,-MODERATE, MULTI-FOCAL
		-MINERALIZATION,-MINIMAL, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
		UTERUS (UT) :
		-DILATATION,-SEVERE, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	UTERUS (UT) : -CYST(S); LEFT, WITHIN HORN: SINGLE CLEAR FLUID FILLED CYST, 22 X 10 X 10 MM	
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL: UPPER INCISORS	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91241 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 287.7 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 9:12 PROSECTOR: DONIA MEYER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0404	.0140 %	.0202	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0423	.0147 %	.0211	WEIGHT TAKEN
BRAIN (BR)	2.0015	.6957 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.0454	.3634 %	.5223	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.1192	.3890 %	.5592	WEIGHT TAKEN
LIVER (LI)	9.1320	3.1741 %	4.5626	WEIGHT TAKEN
LUNG (LU)	1.3728	.4772 %	.6859	WEIGHT TAKEN
LEFT OVARY (OV0)	.0433	.0151 %	.0216	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0524	.0182 %	.0262	WEIGHT TAKEN
SPLEEN (SP)	.5501	.1912 %	.2748	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0081	.0028 %	.0040	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0083	.0029 %	.0041	WEIGHT TAKEN
UTERUS (UT)	.6220	.2162 %	.3108	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN
GENERAL INFORMATION (XX) :
>NOTE:>ANIMAL NECROPSIED OUT OF ORDER
DUE TO MORIBUND COLLECTION
FOLLOWING SAMPLE COLLECTION

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91242 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 437.9 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 13:13 PROSECTOR: JODI THIEREN RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MODERATE, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -CAST, PROTEINACEOUS,-SLIGHT, FOCAL
	OVARY (OV) : -CYST(S); BILATERAL: SINGLE CLEAR FLUID FILLED CYST ON EACH, LEFT IS 6 MM IN DIAMETER, RIGHT IS 9 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT
		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL
	MAMMARY, FEMALE (MF) : -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : >UNREMARKABLE
	UTERUS (UT) : -MASS(ES); MID PORTION OF RIGHT HORN, WITHIN LUMEN: SINGLE MASS, 7 X 5 X 5 MM, RED, DARK RED AND SOFT; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (LUMBAR) NORMAL (CAP 20)	UTERUS (UT) : -DILATATION,-MODERATE, FOCAL -B-POLYP, ENDOMETRIAL, STROMAL,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91242 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
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DATE AND TIME OF NECROPSY: 01/25/00 13:13 PROSECTOR: JODI THIEREN RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), THYROID (TY), URINARY BLADDER (UB), LN, LUMBAR/ILIAC (LM)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91243 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 564.5 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 8:33 PROSECTOR: JARED FISHEL RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-LEFT; WEEK 68; 75 X 60MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : >UNREMARKABLE
>SKIN & PELAGE; SORE/SCAB; DORSAL; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -LIGHT FOCUS(I)/AREA(S); CAUDATE LOBE: SINGLE TAN AREA, 6 MM IN DIAMETER; COLLECTED	LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-SLIGHT, FOCAL
>MASS(ES); INGUINAL REGION-LEFT; WEEK 89; 30 X 40MM; VERIFIED AT NECROPSY: OBSERVED	-RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-SLIGHT, FOCAL
>MASS(ES); INGUINAL REGION-RIGHT; WEEK 93; 25 X 25MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -MINERALIZATION, PELVIC,-SLIGHT, FOCAL
		PANCREAS (PA) : -ATROPHY, ACINAR,-MINIMAL, MULTI-FOCAL
	OVARY (OV) : -CYST(S); BILATERAL: MULTIPLE CLEAR FLUID FILLED CYSTS ON EACH, UP TO 2 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT -HEMORRHAGE,-MINIMAL, FOCAL
		LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT, FOCAL
		THYROID (TY) : -HEMORRHAGE,-SLIGHT, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	THYROID (TY) : -LARGE; BILATERAL: EACH IS 7 X 4 X 4 MM	THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 8 X 5 X 5 MM, TAN, SOFT AND LOBULATED	PITUITARY (PI) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	SKIN (SK) : -MASS(ES); DORSAL THORACIC REGION: SINGLE MASS, 15 MM IN DIAMETER, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED; OVERLYING SURFACE HAS A SINGLE DARK RED AND DRY CRUSTED AREA, 5 MM IN DIAMETER; COLLECTED INTACT WITH MASS; REGIONAL LN (SEE AXILLARY)	SKIN (SK) : -INFLAMMATION, ACUTE,-SLIGHT, FOCAL -ULCERATION,-SLIGHT, FOCAL -M-SEBACEOUS GLAND CARCINOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT PERIANAL REGION: SINGLE MASS, 60 X 40 X 25 MM, RED, DARK RED, TAN AND LOBULATED; ON SECTION EXUDES A DARK GREEN SEMISOLID; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED -MASS #2; RIGHT INGUINAL REGION: SINGLE MASS, 45 X 35 X 25 MM, TAN, FIRM AND LOBULATED; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL -MINERALIZATION,-MINIMAL, MULTI-FOCAL -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT -M-CARCINOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS #3; LEFT AXILLARY REGION: SINGLE MASS, 90 X 50 X 30 MM, TAN, FIRM AND LOBULATED; SOME SECTIONS EXUDE A LARGE AMOUNT OF A TAN, CREAMY SEMIFLUID; PORTION COLLECTED; REGIONAL LN (SEE AXILLARY)	
	UTERUS (UT) : -CYST(S); BILATERAL, WITHIN WALLS: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 5 MM IN DIAMETER	UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-MODERATE, MULTI-FOCAL
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, AXILLARY (AX) : -LARGE; BILATERAL: EACH IS UP TO 10 X 6 X 3 MM (CAP 20)	LN, AXILLARY (AX) : -DILATATION, SINUSOIDAL,-MINIMAL, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 01/26/00 8:33 PROSECTOR: JARED FISHEL RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
URINARY BLADDER (UB)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91244 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/07/99 STUDY DAY OF DEATH: 467 STUDY WEEK OF DEATH: 67 TERMINAL BODY WEIGHT: 316.8 GRAMS
DATE AND TIME OF NECROPSY: 05/07/99 13:57 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED >BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE >BEHAVIOR; VOCALIZATION; VERIFIED AT NECROPSY: NOT APPLICABLE >RESPIRATION; AUDIBLE; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) PITUITARY (PI) : -MASS(ES); SINGLE MASS, 10 X 7 X 6 MM, TAN, RED AND SOFT VAGINA (VA) : -SEMIFLUID MATERIAL; WITHIN LUMEN: CONTAINS A LIGHT GREEN SEMIFLUID	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT, MULTI-FOCAL ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL THYMUS (TH) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL THYROID (TY) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA, C-CELL,-NEOPLASM PRESENT PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT VAGINA (VA) : >UNREMARKABLE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-DISCHARGE-OCULAR; LEFT: DARK RED AND DRY
-MALOCCLUSION; BILATERAL UPPER INCISORS

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91245 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/24/99 STUDY DAY OF DEATH: 668 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 413.7 GRAMS
DATE AND TIME OF NECROPSY: 11/24/99 14:19 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) :	BRAIN (BR) :
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: NOT OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED		-DILATATION, VENTRICULAR,-PRESENT
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) :
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: OBSERVED		-VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL
		KIDNEY (KD) :
	ADRENAL, CORTEX (AC) :	-CAST, PROTEINACEOUS,-MINIMAL, FOCAL
	-LARGE; RIGHT: 8 X 7 X 5 MM (LEFT IS 6 X 5 X 3 MM)	ADRENAL, CORTEX (AC) :
		-ANGIECTASIS,-SEVERE, MULTI-FOCAL
		-DEGENERATION, CYSTIC, CORTICAL,-MODERATE, MULTI-FOCAL
		-HEMORRHAGE,-MODERATE, MULTI-FOCAL
		OVARY (OV) :
		-CYST,-PRESENT
		THYMUS (TH) :
		-CYST,-PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 10 X 8 X 7 MM, DARK RED AND SOFT	-HEMORRHAGE,-MODERATE, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) :
		-INFLAMMATION, CHRONIC,-MINIMAL, FOCAL
		MAMMARY, FEMALE (MF) :
		-GALACTOCELE,-MINIMAL, MULTI-FOCAL

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O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY
-STAINS - SKIN/HAIRCOAT; ENTIRE HEAD: RED

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91246 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/21/99 STUDY DAY OF DEATH: 604 STUDY WEEK OF DEATH: 87 TERMINAL BODY WEIGHT: 319.5 GRAMS
DATE AND TIME OF NECROPSY: 09/21/99 10:56 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE
>MASS(ES); AXILLARY REGION-LEFT; WEEK 68; 105 X 75MM; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

KIDNEY (KD) :
-MOTTLED; BILATERAL: TAN AND BROWN

STOMACH, GL (ST) :
-RED FOCUS(I)/AREA(S); MUCOSA: MULTIPLE RED AREAS, UP TO 2 X 3 MM

MAMMARY, FEMALE (MF) :
-MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 25 X 55 X 100 MM (88.4 GRAMS) FIRM, LOBULATED, RED, DARK RED, TAN AND VASCULAR; ON SECTION CONTAINS A LARGE AMOUNT OF DARK BROWN FLUID (COLLECTED); REGIONAL LN (SEE AXILLARY)

HISTOPATHOLOGY

KIDNEY (KD) :
-MINERALIZATION, PELVIC,-MINIMAL, FOCAL

ADRENAL, CORTEX (AC) :
-ANGIECTASIS,-MODERATE, MULTI-FOCAL
-HEMORRHAGE,-MINIMAL, MULTI-FOCAL

THYMUS (TH) :
-CYST,-PRESENT

LUNG (LU) :
-HEMORRHAGE,-MINIMAL, MULTI-FOCAL

THYROID (TY) :
-CYST, ULTIMOBRANCHIAL,-PRESENT

PITUITARY (PI) :
-NECROSIS,-SLIGHT, FOCAL
-PIGMENT,-MINIMAL, FOCAL

STOMACH, GL (ST) :
>UNREMARKABLE

MAMMARY, FEMALE (MF) :
-GALACTOCELE,-MINIMAL, MULTI-FOCAL
-NECROSIS,-MODERATE, MULTI-FOCAL
-M-CARCINOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91246 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/21/99 STUDY DAY OF DEATH: 604 STUDY WEEK OF DEATH: 87 TERMINAL BODY WEIGHT: 319.5 GRAMS
DATE AND TIME OF NECROPSY: 09/21/99 10:56 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-MODERATE, FOCAL CAUSE OF DEATH (CD) : -MAMMARY CARCINOMA,-PRESENT LN, MEDIASTINAL (ML) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL >NOTE:>MEDIASTINAL LYMPH NODE WAS PRESENT ON THYMUS SLIDE
	LN, AXILLARY (AX) : -MOTTLED; RIGHT: RED AND TAN (CAP 21) -DIFFUSELY RED; LEFT: DARK RED (CAP 21) GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; MOIST YELLOW MATERIAL -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY RED MATERIAL -ANIMAL THIN	LN, AXILLARY (AX) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91246 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/21/99 STUDY DAY OF DEATH: 604 STUDY WEEK OF DEATH: 87 TERMINAL BODY WEIGHT: 319.5 GRAMS
DATE AND TIME OF NECROPSY: 09/21/99 10:56 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91247 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/17/99 STUDY DAY OF DEATH: 508 STUDY WEEK OF DEATH: 73 TERMINAL BODY WEIGHT: 325.5 GRAMS
DATE AND TIME OF NECROPSY: 06/17/99 14:15 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); INGUINAL REGION-LEFT; WEEK 64; 30 X 30MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
		-DILATATION, VENTRICULAR,-PRESENT
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) :
		-NECROSIS, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED		-PIGMENT,-SLIGHT, MULTI-FOCAL
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 70; 20 X 20MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) :
		-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
>BEHAVIOR; RECUMBENT; STERNAL; VERIFIED AT NECROPSY: NOT APPLICABLE		-MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
>RESPIRATION; AUDIBLE; VERIFIED AT NECROPSY: NOT APPLICABLE		ADRENAL, CORTEX (AC) :
		-ANGIECTASIS,-MODERATELY SEVERE, MULTI-FOCAL
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE		-DEGENERATION, CYSTIC, CORTICAL,-MODERATE, FOCAL
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		-HEMORRHAGE,-MODERATE, MULTI-FOCAL
>DISCHARGE; ORAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED		THYMUS (TH) :
		-CYST,-PRESENT
	LUNG (LU) :	LUNG (LU) :
	-UNCOLLAPSED; ALL LOBES	-EDEMA, ALVEOLAR,-MINIMAL, MULTI-FOCAL
		-INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91247 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/17/99 STUDY DAY OF DEATH: 508 STUDY WEEK OF DEATH: 73 TERMINAL BODY WEIGHT: 325.5 GRAMS
DATE AND TIME OF NECROPSY: 06/17/99 14:15 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

PITUITARY (PI) :
-MASS(ES); SINGLE MASS, 14 X 9 X 8 MM, DARK RED, TAN AND SOFT
MAMMARY, FEMALE (MF) :
-MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 20 X 17 X 8 MM, TAN, RED AND SOFT; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED
-CYST(S); LEFT PERIANAL REGION: TWO TAN, CREAMY SEMIFLUID FILLED CYSTS, UP TO 8 X 6 X 3 MM (CAP 20)
-MASS #2; RIGHT LATERAL THORACIC REGION: SINGLE MASS, 33 X 27 X 13 MM, TAN, GRAY, RED, SOFT AND LOBULATED; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (AXILLARY) NOT IDENTIFIED

GENERAL COMMENT (GC) :
-DISCHARGE-ORAL; RED AND DRY
-BLOOD FILM TAKEN
-DISCHARGE-OCULAR; BILATERAL: RED AND DRY

HISTOPATHOLOGY

PITUITARY (PI) :
-HEMORRHAGE,-SEVERE, MULTI-FOCAL
-B-ADENOMA,-NEOPLASM PRESENT
MAMMARY, FEMALE (MF) :
-GALACTOCELE,-MODERATELY SEVERE, MULTI-FOCAL
-MINERALIZATION,-SLIGHT, MULTI-FOCAL
-B-FIBROADENOMA,-NEOPLASM PRESENT
-M-CARCINOMA,-NEOPLASM PRESENT

VAGINA (VA) :
-HEMORRHAGE,-MODERATE, MULTI-FOCAL
CAUSE OF DEATH (CD) :
-PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91247 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/17/99 STUDY DAY OF DEATH: 508 STUDY WEEK OF DEATH: 73 TERMINAL BODY WEIGHT: 325.5 GRAMS
DATE AND TIME OF NECROPSY: 06/17/99 14:15 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91248 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 283.5 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 14:33 PROSECTOR: TODD ACKER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0313	.0110 %	.0155	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0306	.0108 %	.0151	WEIGHT TAKEN
BRAIN (BR)	2.0203	.7126 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	.9436	.3328 %	.4671	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	.9676	.3413 %	.4789	WEIGHT TAKEN
LIVER (LI)	7.5181	2.6519 %	3.7213	WEIGHT TAKEN
LUNG (LU)	1.3491	.4759 %	.6678	WEIGHT TAKEN
LEFT OVARY (OV0)	.0662	.0234 %	.0328	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0617	.0218 %	.0305	WEIGHT TAKEN
SPLEEN (SP)	.5114	.1804 %	.2531	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0118	.0042 %	.0058	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0113	.0040 %	.0056	WEIGHT TAKEN
UTERUS (UT)	.5209	.1837 %	.2578	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

LIVER (LI) :
-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91248 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 283.5 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 14:33 PROSECTOR: TODD ACKER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91249 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/29/99 STUDY DAY OF DEATH: 673 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 405.4 GRAMS
DATE AND TIME OF NECROPSY: 11/29/99 14:48 PROSECTOR: DAVID SCHUETTE RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EYES; PALE; EYES; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) :	BRAIN (BR) :
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: NOT OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) :	LIVER (LI) :
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED	-RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 2 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	-VACUOLATION, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL
>DISCHARGE; NASAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) :
>SKIN & PELAGE; RED HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: NOT OBSERVED		-MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE	PITUITARY (PI) :	ADRENAL, CORTEX (AC) :
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	-MASS(ES); 9 X 7 X 7 MM, DARK RED, TAN AND SOFT	-ANGIECTASIS,-MINIMAL, MULTI-FOCAL
	JEJUNUM (JE) :	-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
	-DIVERTICULUM(A); MID JEJUNUM: SINGLE DARK RED DIVERTICULUM, 12 X 12 X 10 MM; COLLECTED ON ROUTINE SECTION	PITUITARY (PI) :
	MAMMARY, FEMALE (MF) :	-HEMORRHAGE,-MODERATE, MULTI-FOCAL
	-CYST(S); LEFT ABDOMINAL REGION: SINGLE TAN CREAMY SEMIFLUID FILLED CYST, 10 X 6 X 5 MM; COLLECTED ON ROUTINE SECTION	-B-ADENOMA,-NEOPLASM PRESENT
		JEJUNUM (JE) :
		>UNREMARKABLE
		MAMMARY, FEMALE (MF) :
		-GALACTOCELE,-SEVERE, MULTI-FOCAL
		-INFLAMMATION, ACUTE,-MODERATE, MULTI-FOCAL
		-PIGMENT,-SLIGHT, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91249 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/29/99 STUDY DAY OF DEATH: 673 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 405.4 GRAMS
DATE AND TIME OF NECROPSY: 11/29/99 14:48 PROSECTOR: DAVID SCHUETTE RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	CAVITY, ABDOM (PC) : -MASS(ES); ANTERIOR TO RIGHT OVARY: SINGLE MASS, 22 X 20 X 12 MM, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (LUMBAR) NORMAL (CAP 21)	CAVITY, ABDOM (PC) : -MINERALIZATION,-MINIMAL, MULTI-FOCAL -NECROSIS, FAT,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-NASAL; DRY DARK BROWN MATERIAL	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91249 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/29/99 STUDY DAY OF DEATH: 673 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 405.4 GRAMS
DATE AND TIME OF NECROPSY: 11/29/99 14:48 PROSECTOR: DAVID SCHUETTE RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN), LN, LUMBAR/ILIAC (LM)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91250 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/14/99 STUDY DAY OF DEATH: 505 STUDY WEEK OF DEATH: 73 TERMINAL BODY WEIGHT: 487.9 GRAMS
DATE AND TIME OF NECROPSY: 06/14/99 15:14 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED >MASS(ES); AXILLARY REGION-RIGHT; WEEK 38; 100 X 100MM; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; SORE/SCAB; AXILLARY REGION-RIGHT; VERIFIED AT NECROPSY: OBSERVED	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 120 X 100 X 40 MM, RED, DARK RED, TAN, VASCULAR, AND FIRM; SAME ON CUT SURFACE; PORTION COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 20); OVERLYING SKIN OF MASS HAS A SINGLE DARK BROWN CRUSTED AREA, 25 X 10 MM; COLLECTED INTACT WITH MASS PORTION -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE, MULTI-FOCAL -DEGENERATION, CYSTIC, CORTICAL,-MODERATE, FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL OVARY (OV) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL SKIN (SK) : -INFLAMMATION, ACUTE,-MODERATE, FOCAL -ULCERATION,-SEVERE, FOCAL MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91250 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/14/99 STUDY DAY OF DEATH: 505 STUDY WEEK OF DEATH: 73 TERMINAL BODY WEIGHT: 487.9 GRAMS
DATE AND TIME OF NECROPSY: 06/14/99 15:14 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		UTERUS (UT) : -DILATATION,-SLIGHT, DIFFUSE CAUSE OF DEATH (CD) : -MAMMARY FIBROADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL UPPER INCISORS	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91250 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/14/99 STUDY DAY OF DEATH: 505 STUDY WEEK OF DEATH: 73 TERMINAL BODY WEIGHT: 487.9 GRAMS
DATE AND TIME OF NECROPSY: 06/14/99 15:14 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91251 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 209.1 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 10:53 PROSECTOR: DONIA MEYER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	7.0583	3.3756 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LEFT OVARY (OV0)	--------	--------	--------	NOT TAKEN
RIGHT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT THYROID/PAR (TT0)	--------	--------	--------	NOT TAKEN
RIGHT THYROID/PR (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91252 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 600.2 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 10:06 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	ADRENAL, CORTEX (AC) : -LARGE; LEFT: 7 MM IN DIAMETER (RIGHT IS 4 MM IN DIAMETER) PITUITARY (PI) : -RED FOCUS(I)/AREA(S); RIGHT ANTERIOR ASPECT: SINGLE DARK RED AREA, 5 X 3 MM -LARGE; 7 X 7 X 3 MM; APPEARS SWOLLEN GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-MODERATELY SEVERE, FOCAL -HEMORRHAGE,-MODERATELY SEVERE, FOCAL THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT PITUITARY (PI) : -PIGMENT,-MINIMAL, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91252 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 600.2 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 10:06 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LIVER (LI), KIDNEY (KD), PANCREAS (PA), ADRENAL, MEDULLA (MA), LUNG (LU), MAMMARY, FEMALE (MF), URINARY BLADDER (UB)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91253 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 542.3 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 8:35 PROSECTOR: MICHELE MARGGI RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 105; 30 X 30MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL
	PITUITARY (PI) : -LARGE; 6 X 5 X 4 MM; APPEARS SWOLLEN MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 50 X 34 X 20 MM, TAN, LOBULATED AND SOFT; SOME PORTIONS EXUDE A TAN CREAMY SEMISOLID MATERIAL; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATE, MULTI-FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
KIDNEY (KD), PANCREAS (PA), THYROID (TY), URINARY BLADDER (UB)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91254 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 396.2 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 13:00 PROSECTOR: JARED FISHEL RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
	OVARY (OV) : -CYST(S); LEFT: SINGLE CLEAR FLUID FILLED CYST, 10 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT
	UTERUS (UT) : -CYST(S); BILATERAL, WITHIN WALLS: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 4 MM IN DIAMETER	UTERUS (UT) : -DILATATION,-MODERATE, DIFFUSE
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: DARK RED; COLLECTED	LN, MANDIBULAR (MN) : -DILATATION, SINUSOIDAL,-SLIGHT, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL, UPPER INCISORS	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91254 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
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DATE AND TIME OF NECROPSY: 01/26/00 13:00 PROSECTOR: JARED FISHEL RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN
-TEETH MISSING/BROKEN/WORN; BILATERAL,
UPPER INCISORS: BROKEN OFF NEAR BASE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), LUNG (LU), THYROID (TY), MAMMARY, FEMALE (MF), URINARY BLADDER (UB)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91255 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/22/99 STUDY DAY OF DEATH: 513 STUDY WEEK OF DEATH: 74 TERMINAL BODY WEIGHT: 354.6 GRAMS
DATE AND TIME OF NECROPSY: 06/22/99 7:55 PROSECTOR: JAMES T. CALLEN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 62; 20 X 30MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>MASS(ES); AXILLARY REGION-LEFT; WEEK 64; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED	KIDNEY (KD) : -LARGE PELVIS(ES); BILATERAL	KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -DILATATION, PELVIC,-PRESENT
>SKIN & PELAGE; SORE/SCAB; AXILLARY REGION-LEFT; VERIFIED AT NECROPSY: OBSERVED		ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT, MULTI-FOCAL -HEMORRHAGE,-MINIMAL, MULTI-FOCAL
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE		LN, MESENTERIC (MS) : -EDEMA,-MINIMAL, MULTI-FOCAL -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL, MULTI-FOCAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		THYMUS (TH) : -CYST,-PRESENT
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE		THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT
>BEHAVIOR; RECUMBENT; STERNAL; VERIFIED AT NECROPSY: NOT APPLICABLE	PITUITARY (PI) : -MASS(ES); 11 X 7 X 6 MM, DARK RED, VASCULAR AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE	JEJUNUM (JE) : >NOTE:>TRIMMING COMMENT: JEJUNUM MISSING FROM WET TISSUE	JEJUNUM (JE) : >TISSUE MISSING

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91255 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/22/99 STUDY DAY OF DEATH: 513 STUDY WEEK OF DEATH: 74 TERMINAL BODY WEIGHT: 354.6 GRAMS
DATE AND TIME OF NECROPSY: 06/22/99 7:55 PROSECTOR: JAMES T. CALLEN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		RECTUM (RE) : -PARASITISM,-PRESENT SKIN (SK) : -INFLAMMATION, ACUTE,-SLIGHT, FOCAL -ULCERATION,-SLIGHT, FOCAL
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT INGUINAL REGION: SINGLE MASS, 36 X 28 X 23 MM, TAN, RED, LOBULATED, CYSTIC AND FIRM; ON SECTION, EXUDES A CLEAR YELLOW FLUID; COLLECTED INTACT; REGIONAL LN (INGUINAL) NOT IDENTIFIED -MASS #2; LEFT AXILLARY REGION: SINGLE MASS, 32 X 19 X 9 MM, TAN, RED, VASCULAR AND SOFT; SAME ON CUT SURFACE; COLLECTED INTACT; OVERLYING SKIN HAS A TAN MOIST ABRADED AREA, 8 X 4 MM; COLLECTED INTACT WITH MASS; REGIONAL LN (SEE AXILLARY)	MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL -M-CARCINOMA,- 2 NEOPLASMS PRESENT
		UTERUS (UT) : -DILATATION,-MODERATE, MULTI-FOCAL CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	LN, AXILLARY (AX) : -LARGE; BILATERAL: EACH IS 6 X 4 X 1 MM (CAP 20) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOCYTIC,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91255 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
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DATE AND TIME OF NECROPSY: 06/22/99 7:55 PROSECTOR: JAMES T. CALLEN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -DISCHARGE-OCULAR; BILATERAL: DRY RED MATERIAL	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), ILEUM (IL), CECUM (CE), COLON (CO), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91256 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 379.0 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 12:53 PROSECTOR: JODI THIEREN RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL; WEEK 90; 40 X 30MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
		-DILATATION, VENTRICULAR,-PRESENT
>APPEARANCE; SWOLLEN; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) :
		-MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL
	ADRENAL, CORTEX (AC) :	ADRENAL, CORTEX (AC) :
	-LARGE; LEFT: 8 MM IN DIAMETER (RIGHT IS 5 MM IN DIAMETER)	-ANGIECTASIS,-MODERATE, MULTI-FOCAL
		-HEMORRHAGE,-MODERATE, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
	OVARY (OV) :	OVARY (OV) :
	-CYST(S); LEFT: SINGLE CLEAR FLUID FILLED CYST, 2 MM IN DIAMETER	>UNREMARKABLE
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 10 X 8 X 8 MM, DARK RED, TAN, GRAY, AND FIRM	-HEMORRHAGE,-MODERATE, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) :	MAMMARY, FEMALE (MF) :
	-MASS(ES); PERINEAL REGION: SINGLE MASS, 87 X 50 X 28 MM, RED, DARK RED, DARK BROWN, TAN, GRAY, LOBULATED, VASCULAR AND FIRM; ON CUT SECTION EXUDES A DARK BROWN SEMIFLUID; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	-GALACTOCELE,-MODERATE, MULTI-FOCAL
		-HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL
		-M-CARCINOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	JOINT, OTHER (JT) : -LARGE; LEFT TARSAL JOINT: 13 X 10 X 10 MM (RIGHT IS 10 X 8 X 6 MM); COLLECTED	JOINT, OTHER (JT) : -EXOSTOSES,-MODERATE, MULTI-FOCAL -FIBROSIS,-MODERATE, MULTI-FOCAL
	LN, POPLITEAL (PP) : -LARGE; LEFT: UP TO 8 X 6 X 3 MM (RIGHT IS UP TO 5 X 3 X 2 MM); APPEARS CYSTIC (CAP 20)	LN, POPLITEAL (PP) : -DILATATION, SINUSOIDAL,-MODERATE, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LIVER (LI), PANCREAS (PA), ADRENAL, MEDULLA (MA), LUNG (LU), THYROID (TY), URINARY BLADDER (UB)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91257 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/27/99 STUDY DAY OF DEATH: 579 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: 219.4 GRAMS
DATE AND TIME OF NECROPSY: 08/27/99 8:43 PROSECTOR: DAVID SCHUETTE RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EYES; RED DISCHARGE; EYE-LEFT; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED		
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE		SPLEEN (SP) : -PIGMENT, INCREASED,-MINIMAL, MULTI-FOCAL
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: NOT OBSERVED	ADRENAL, CORTEX (AC) : -LIGHT FOCUS(I)/AREA(S); BILATERAL, DIFFUSE: MULTIPLE PINPOINT TAN AREAS	ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MINIMAL, MULTI-FOCAL -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -HYPERTROPHY, CORTICAL CELL,-MINIMAL, FOCAL
		LN, MESENTERIC (MS) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL, MULTI-FOCAL
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 8 X 6 X 4 MM, TAN, DARK RED, AND SOFT; COLLECTED INTACT WITH BRAIN	PITUITARY (PI) : -CYST,-PRESENT -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -PIGMENT,-MINIMAL, FOCAL -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -THICKENED; ALL REGIONS, DIFFUSE: TAN; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -GALACTOCELE,-MINIMAL, MULTI-FOCAL -MINERALIZATION,-MINIMAL, MULTI-FOCAL CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT LN, MEDIASTINAL (ML) : -INFILTRATE, MACROPHAGE, PIGMENTED,- MINIMAL, MULTI-FOCAL >NOTE:>MEDIASTINAL LYMPH NODE WAS PRESENT ON THYMUS SECTION
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: MOIST BROWN MATERIAL -MALOCCLUSION; BILATERAL, UPPER INCISORS -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91257 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/27/99 STUDY DAY OF DEATH: 579 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: 219.4 GRAMS
DATE AND TIME OF NECROPSY: 08/27/99 8:43 PROSECTOR: DAVID SCHUETTE RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), KIDNEY (KD), PANCREAS (PA), ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91258 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/17/99 STUDY DAY OF DEATH: 600 STUDY WEEK OF DEATH: 86 TERMINAL BODY WEIGHT: 283.6 GRAMS
DATE AND TIME OF NECROPSY: 09/17/99 15:38 PROSECTOR: TERRI L. WILLIAMS RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-THORACIC-LEFT; WEEK 79; 40 X 30MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 71; 45 X 50MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, FOCAL
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE		ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	OVARY (OV) : -CYST(S); LEFT: SINGLE CLEAR FLUID FILLED CYST, 5 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		THYROID (TY) : -HYPERPLASIA, C-CELL,-SLIGHT, FOCAL
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED	PITUITARY (PI) : -MASS(ES); 12 X 10 X 8 MM, DARK RED, GRAY AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -PIGMENT,-MINIMAL, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		STOMACH, GL (ST) : -EROSION,-SLIGHT, MULTI-FOCAL -INFLAMMATION, ACUTE,-SLIGHT, MULTI-FOCAL
		MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATELY SEVERE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91258 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/17/99 STUDY DAY OF DEATH: 600 STUDY WEEK OF DEATH: 86 TERMINAL BODY WEIGHT: 283.6 GRAMS
DATE AND TIME OF NECROPSY: 09/17/99 15:38 PROSECTOR: TERRI L. WILLIAMS RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 30 X 30 X 25 MM, RED, DARK RED, BROWN, TAN, FIRM AND LOBULATED; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 21) -CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE TAN AND CREAMY FLUID FILLED CYSTS, UP TO 6 MM IN DIAMETER; COLLECTED -MASS #2; LEFT INGUINAL REGION: SINGLE MASS, 45 X 45 X 35 MM, TAN, BROWN, VASCULAR AND SOFT; ON SECTION EXUDE A TAN SEMIFLUID; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -MINERALIZATION,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT -M-CARCINOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; YELLOW -BLOOD FILM TAKEN -DISCHARGE-OCULAR; LEFT: RED -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91258 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/17/99 STUDY DAY OF DEATH: 600 STUDY WEEK OF DEATH: 86 TERMINAL BODY WEIGHT: 283.6 GRAMS
DATE AND TIME OF NECROPSY: 09/17/99 15:38 PROSECTOR: TERRI L. WILLIAMS RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91259 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/08/99 STUDY DAY OF DEATH: 438 STUDY WEEK OF DEATH: 63 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/08/99 13:02 PROSECTOR: JOHN S. HALFORD RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EYES; RED DISCHARGE; EYE-RIGHT; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -LIGHT FOCUS(I)/AREA(S); DIAPHRAGMATIC SURFACE OF RIGHT MEDIAN LOBE: SINGLE GRAY AND TAN AREA, 7 X 5 MM; COLLECTED ON ROUTINE SECTION	LIVER (LI) : -FIBROSIS,-MINIMAL, MULTI-FOCAL -HEMORRHAGE,-MINIMAL, MULTI-FOCAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE		
>APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) : -MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL
	PITUITARY (PI) : -MASS(ES); 14 X 10 X 9 MM, RED, DARK RED, GRAY, TAN, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		ILEUM (IL) : >AUTOLYTIC
	VAGINA (VA) : -SEMIFLUID MATERIAL; WITHIN LUMEN: GREEN, MUCOID SEMIFLUID	VAGINA (VA) : >UNREMARKABLE
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -DISCHARGE-OCULAR; BILATERAL: DRY, RED MATERIAL -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91259 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/08/99 STUDY DAY OF DEATH: 438 STUDY WEEK OF DEATH: 63 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/08/99 13:02 PROSECTOR: JOHN S. HALFORD RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -AUTOLYSIS-SEVERE; INVOLVING JEJUNUM AND ILEUM	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91260 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/18/99 STUDY DAY OF DEATH: 509 STUDY WEEK OF DEATH: 73 TERMINAL BODY WEIGHT: 312.7 GRAMS
DATE AND TIME OF NECROPSY: 06/18/99 8:47 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) :	BRAIN (BR) :
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: NOT OBSERVED		-DILATATION, VENTRICULAR,-PRESENT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED		-HEMORRHAGE,-MODERATE, MULTI-FOCAL
>SKIN & PELAGE; BROWN HAIR COAT; PERINEAL AREA; VERIFIED AT NECROPSY: OBSERVED		-PIGMENT,-MINIMAL, MULTI-FOCAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) :
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE		-HEMORRHAGE,-MINIMAL, FOCAL
>BEHAVIOR; RECUMBENT; LATERAL; VERIFIED AT NECROPSY: NOT APPLICABLE		-NECROSIS, HEPATOCELLULAR,-SLIGHT, FOCAL
		KIDNEY (KD) :
		-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
		-MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
		PANCREAS (PA) :
		-PIGMENT,-SLIGHT, MULTI-FOCAL
	ADRENAL, CORTEX (AC) :	ADRENAL, CORTEX (AC) :
	-LARGE; RIGHT: 7 MM IN DIAMETER (FOR COMPARISON, LEFT IS 5 MM IN DIAMETER)	-ANGIECTASIS,-MODERATELY SEVERE, MULTI-FOCAL
		-HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL
		-PIGMENT,-MINIMAL, MULTI-FOCAL
	OVARY (OV) :	OVARY (OV) :
	-CYST(S); LEFT: SINGLE CLEAR FLUID FILLED CYST, 5 MM IN DIAMETER	>UNREMARKABLE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91260 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/18/99 STUDY DAY OF DEATH: 509 STUDY WEEK OF DEATH: 73 TERMINAL BODY WEIGHT: 312.7 GRAMS
DATE AND TIME OF NECROPSY: 06/18/99 8:47 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 12 X 9 X 8 MM, DARK RED, TAN AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATE, MULTI-FOCAL -MINERALIZATION,-MINIMAL, MULTI-FOCAL
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; BROWN AND DRY -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: RED AND DRY	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91260 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/18/99 STUDY DAY OF DEATH: 509 STUDY WEEK OF DEATH: 73 TERMINAL BODY WEIGHT: 312.7 GRAMS
DATE AND TIME OF NECROPSY: 06/18/99 8:47 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91261 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/15/99 STUDY DAY OF DEATH: 689 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/15/99 10:58 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; RED HAIR COAT; HEAD-CRANIAL; VERIFIED AT NECROPSY: OBSERVED	EYE (EY) : -OPAQUE CORNEA; LEFT BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	EYE (EY) : >UNREMARKABLE BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT -HEMORRHAGE,-MODERATE, MULTI-FOCAL
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 87; 60 X 70MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-SLIGHT, MULTI-FOCAL KIDNEY (KD) : -MINERALIZATION, PELVIC,-MODERATE, FOCAL ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT, MULTI-FOCAL -DEGENERATION, CYSTIC, CORTICAL,-SLIGHT, FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -PIGMENT,-MINIMAL, FOCAL -THROMBUS,-MINIMAL, FOCAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	OVARY (OV) : -CYST(S); LEFT: SINGLE CLEAR FLUID FILLED CYST, 6 MM IN DIAMETER PITUITARY (PI) : -MASS(ES); 10 X 9 X 7 MM, DARK RED, GREY, LOBULATED AND SOFT	OVARY (OV) : -CYST,-PRESENT PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91261 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/15/99 STUDY DAY OF DEATH: 689 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/15/99 10:58 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		JEJUNUM (JE) : >AUTOLYTIC
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 65 X 45 X 33 MM, RED, DARK RED, TAN, GREY, LOBULATED, VASCULAR AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (AXILLARY) NORMAL (CAP 21)	MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -STAINS - SKIN/HAIRCOAT; ENTIRE HEAD: DRY, RED MATERIAL -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91261 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/15/99 STUDY DAY OF DEATH: 689 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/15/99 10:58 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91262 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/05/99 STUDY DAY OF DEATH: 618 STUDY WEEK OF DEATH: 89 TERMINAL BODY WEIGHT: 298.9 GRAMS
DATE AND TIME OF NECROPSY: 10/05/99 14:57 PROSECTOR: JILL PAUS RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>MASS(ES); VENTRAL-THORACIC; WEEK 81; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: NOT OBSERVED
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; DEHYDRATED; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

KIDNEY (KD) :
-LARGE PELVIS(ES); RIGHT

ADRENAL, CORTEX (AC) :
-DIFFUSELY LIGHT; BILATERAL: TAN

LN, MESENTERIC (MS) :
-DIFFUSELY RED; DARK RED

PITUITARY (PI) :
-MASS(ES); 5 MM IN DIAMETER, DARK RED, TAN, AND SOFT

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
-HEMORRHAGE,-MODERATE, FOCAL
KIDNEY (KD) :
-DILATATION, PELVIC,-PRESENT
>NOTE:>RIGHT KIDNEY
ADRENAL, CORTEX (AC) :
-DEGENERATION, CYSTIC, CORTICAL,-MODERATELY SEVERE, FOCAL
-HEMORRHAGE,-MODERATE, FOCAL
LN, MESENTERIC (MS) :
-INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT, MULTI-FOCAL
HEART (HT) :
-DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL
-FIBROSIS,-MINIMAL, MULTI-FOCAL
PITUITARY (PI) :
-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
-B-ADENOMA,-NEOPLASM PRESENT
MAMMARY, FEMALE (MF) :
-GALACTOCELE,-SLIGHT, MULTI-FOCAL
CERVIX (CV) :
-M-SARCOMA, ENDOMETRIAL STROMAL,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91262 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/05/99 STUDY DAY OF DEATH: 618 STUDY WEEK OF DEATH: 89 TERMINAL BODY WEIGHT: 298.9 GRAMS
DATE AND TIME OF NECROPSY: 10/05/99 14:57 PROSECTOR: JILL PAUS RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	CERVIX (CV) : -MASS(ES); INVOLVING ENTIRE CERVIX: SINGLE MASS, 50 X 45 X 30 MM, RED, DARK RED, TAN, AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (SEE LUMBAR)	
	VAGINA (VA) : -MASS(ES); MUCOSA: SINGLE RED, TAN, GELATINOUS, AND PEDUNCULATED MASS, 20 X 12 X 6 MM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (SEE LUMBAR)	VAGINA (VA) : -I-ENDOMETRIAL STROMAL SARCOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -ENDOMETRIAL STROMAL SARCOMA,-PRESENT
	LN, LUMBAR/ILIAC (LM) : -LARGE; BILATERAL: LEFT IS 18 X 14 X 10 MM, RIGHT IS 50 X 40 X 40 MM; BOTH APPEAR CYSTIC (CAP 21)	LN, LUMBAR/ILIAC (LM) : -N-ENDOMETRIAL STROMAL SARCOMA,-NEOPLASM PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: RED DRY MATERIAL -STAINS - SKIN/HAIRCOAT; ENTIRE VENTRAL SURFACE: YELLOW AND MOIST -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91262 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/05/99 STUDY DAY OF DEATH: 618 STUDY WEEK OF DEATH: 89 TERMINAL BODY WEIGHT: 298.9 GRAMS
DATE AND TIME OF NECROPSY: 10/05/99 14:57 PROSECTOR: JILL PAUS RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91263 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/07/99 STUDY DAY OF DEATH: 498 STUDY WEEK OF DEATH: 72 TERMINAL BODY WEIGHT: 272.5 GRAMS
DATE AND TIME OF NECROPSY: 06/07/99 15:10 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 22; 40 X 40MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		PANCREAS (PA) : -ATROPHY, ACINAR,-MINIMAL, FOCAL
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED		ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-MODERATE, FOCAL -B-ADENOMA,-NEOPLASM PRESENT
>SKIN & PELAGE; BROWN HAIR COAT; PERINEAL AREA; VERIFIED AT NECROPSY: OBSERVED		LUNG (LU) : -HEMORRHAGE,-MINIMAL, FOCAL
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 9 X 6 X 5 MM, DARK RED AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -PIGMENT,-MINIMAL, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) : -GALACTOCELE,-SEVERE, MULTI-FOCAL -PIGMENT,-MODERATE, MULTI-FOCAL -M-CARCINOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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DATE AND TIME OF NECROPSY: 06/07/99 15:10 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 45 X 35 X 15 MM, RED, DARK RED, GRAY, TAN AND SOFT; CUT SURFACE EXUDES A DARK GREEN FLUID; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; YELLOW, BROWN AND DRY -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE OF DEATH: 06/07/99 STUDY DAY OF DEATH: 498 STUDY WEEK OF DEATH: 72 TERMINAL BODY WEIGHT: 272.5 GRAMS
DATE AND TIME OF NECROPSY: 06/07/99 15:10 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91264 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 398.3 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 13:38 PROSECTOR: JODI THIEREN RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 93; 20 X 20MM; VERIFIED AT NECROPSY: OBSERVED >MASS(ES); AXILLARY REGION-LEFT; WEEK 97; 25 X 25MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LN, MESENTERIC (MS) : -LARGE; UP TO 8 MM IN DIAMETER THYROID (TY) : -LARGE; RIGHT: 8 X 4 X 2 MM (LEFT IS 5 X 3 X 1 MM) PITUITARY (PI) : -MASS(ES); 11 X 8 X 8 MM, DARK RED, TAN AND FIRM MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 35 X 30 X 18 MM, TAN, BROWN, LOBULATED, VASCULAR AND SOFT; ON SECTION EXUDES A BROWN FLUID; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 21)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL LN, MESENTERIC (MS) : >UNREMARKABLE THYROID (TY) : -B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT MAMMARY, FEMALE (MF) : -GALACTOCELE,-MINIMAL, MULTI-FOCAL -B-ADENOMA,- 2 NEOPLASMS PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91264 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 398.3 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 13:38 PROSECTOR: JODI THIEREN RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS #2; LEFT AXILLARY REGION: SINGLE MASS, 27 X 27 X 15 MM, TAN, RED, DARK BROWN, LOBULATED AND FIRM; ON CUT SURFACE EXUDES A DARK RED FLUID; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 21)	
	UTERUS (UT) : -CYST(S); LEFT, WITHIN WALLS: TWO CLEAR FLUID FILLED CYSTS, BOTH ARE 5 X 4 X 4 MM	UTERUS (UT) : -DILATATION,-MODERATE, FOCAL
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: DARK RED (CAP 20)	LN, MANDIBULAR (MN) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91264 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 398.3 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 13:38 PROSECTOR: JODI THIEREN RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), LUNG (LU), URINARY BLADDER (UB), LN, AXILLARY (AX)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91265 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/09/99 STUDY DAY OF DEATH: 653 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 310.4 GRAMS
DATE AND TIME OF NECROPSY: 11/09/99 7:24 PROSECTOR: CHANESTA ACKER RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED		-DILATATION, VENTRICULAR,-PRESENT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) :
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		-HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE		-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE		-VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL
		PANCREAS (PA) :
		-ATROPHY, ACINAR,-MODERATE, MULTI-FOCAL
		ADRENAL, CORTEX (AC) :
		-ANGIECTASIS,-MINIMAL, MULTI-FOCAL
		-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
		OVARY (OV) :
		-CYST,-PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 11 X 10 X 6 MM, RED, DARK RED, TAN AND SOFT	-CYST,-PRESENT
		-HEMORRHAGE,-MODERATE, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) :
		-INFLAMMATION, CHRONIC,-MINIMAL, FOCAL
		STOMACH, GL (ST) :
		-EDEMA,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91265 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/09/99 STUDY DAY OF DEATH: 653 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 310.4 GRAMS
DATE AND TIME OF NECROPSY: 11/09/99 7:24 PROSECTOR: CHANESTA ACKER RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MAMMARY, FEMALE (MF) : -GALACTOCELE,-MINIMAL, MULTI-FOCAL
	VAGINA (VA) : -SEMIFLUID MATERIAL; WITHIN LUMEN: GREEN MUCOID SEMIFLUID MATERIAL	VAGINA (VA) : >UNREMARKABLE
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; BOTH REGIONS: YELLOW MOIST MATERIAL; POSSIBLY CONSISTENT WITH YELLOW HAIRCOAT AS NOTED IN CLINICAL OBSERVATIONS -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL, UPPER INCISORS -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91265 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/09/99 STUDY DAY OF DEATH: 653 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 310.4 GRAMS
DATE AND TIME OF NECROPSY: 11/09/99 7:24 PROSECTOR: CHANESTA ACKER RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), KIDNEY (KD), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91266 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/18/00 STUDY DAY OF DEATH: 723 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: 309.0 GRAMS
DATE AND TIME OF NECROPSY: 01/18/00 11:30 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>SKIN & PELAGE; SORE/SCAB; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); INGUINAL REGION-RIGHT; WEEK 89; 20 X 20MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 97; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; BROWN HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; BLACK SKIN; VENTRAL-ABDOMINAL-LEFT; VERIFIED AT NECROPSY: NOT OBSERVED
>APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

PITUITARY (PI) :
-MASS(ES); 10 X 10 X 4 MM, DARK RED, LOBULATED AND SOFT

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
-DILATATION, VENTRICULAR,-PRESENT
-HEMORRHAGE,-MODERATE, MULTI-FOCAL
LIVER (LI) :
-VACUOLATION, HEPATOCELLULAR,-MODERATELY SEVERE, DIFFUSE
KIDNEY (KD) :
-MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL
-PYELONEPHRITIS,-SLIGHT, MULTI-FOCAL
ADRENAL, CORTEX (AC) :
-HYPERTROPHY, CORTICAL CELL,-MODERATE, MULTI-FOCAL
-VACUOLATION,-MINIMAL, FOCAL
LN, MESENTERIC (MS) :
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL, MULTI-FOCAL
PITUITARY (PI) :
-HEMORRHAGE,-MODERATE, MULTI-FOCAL
-B-ADENOMA,-NEOPLASM PRESENT
STOMACH, NONGL (SU) :
-EDEMA,-MODERATE, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91266 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/18/00 STUDY DAY OF DEATH: 723 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: 309.0 GRAMS
DATE AND TIME OF NECROPSY: 01/18/00 11:30 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: SINGLE MOIST TAN ULCERATED AREA, 7 X 4 MM	
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 40 X 30 X 10 MM, TAN, GREEN, RED, LOBULATED AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (INGUINAL) NOT IDENTIFIED -MASS #2; RIGHT AXILLARY REGION: SINGLE MASS, 25 X 15 X 15 MM, TAN, RED AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (AXILLARY) NORMAL (CAP 21)	MAMMARY, FEMALE (MF) : -GALACTOCELE,-SEVERE, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -INFLAMMATION, CHRONIC-ACTIVE,-SEVERE, MULTI-FOCAL -MINERALIZATION,-MINIMAL, MULTI-FOCAL -PIGMENT,-SLIGHT, MULTI-FOCAL -M-CARCINOMA,- 2 NEOPLASMS PRESENT
		CAUSE OF DEATH (CD) : -MAMMARY CARCINOMA,-PRESENT
	FOOT/FOOTPAD(S) (FP) : -CRUSTED AREA(S); LEFT HIND FOOT: SINGLE DRY BROWN CRUSTED AREA, 5 MM IN DIAMETER; COLLECTED	FOOT/FOOTPAD(S) (FP) : -FIBROSIS,-MODERATELY SEVERE, FOCAL -INFLAMMATION, CHRONIC ACTIVE,-SLIGHT, MULTI-FOCAL
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; DRY BROWN MATERIAL -BLOOD FILM TAKEN -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91266 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/18/00 STUDY DAY OF DEATH: 723 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: 309.0 GRAMS
DATE AND TIME OF NECROPSY: 01/18/00 11:30 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91267 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/04/99 STUDY DAY OF DEATH: 464 STUDY WEEK OF DEATH: 67 TERMINAL BODY WEIGHT: 404.8 GRAMS
DATE AND TIME OF NECROPSY: 05/04/99 14:08 PROSECTOR: MICHELE MARGGI RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 38; 25 X 35MM; VERIFIED AT NECROPSY: OBSERVED		SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MINIMAL, MULTI-FOCAL
>MASS(ES); VENTRAL-CERVICAL-LEFT; WEEK 46; 70 X 70MM; VERIFIED AT NECROPSY: OBSERVED		ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-MODERATE, FOCAL -HEMORRHAGE,-SLIGHT, FOCAL
>SKIN & PELAGE; SORE/SCAB; VENTRAL-ABDOMINAL-RIGHT; VERIFIED AT NECROPSY: OBSERVED	PITUITARY (PI) : -DARK FOCUS(I)/AREA(S); MID ASPECT: SINGLE DARK BROWN AREA, 3 X 2 MM	PITUITARY (PI) : -CYST,-PRESENT -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
		SKIN (SK) : -ULCERATION,-SEVERE, FOCAL
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT CERVICAL REGION: SINGLE MASS, 75 X 70 X 30 MM, RED, TAN, FIRM AND LOBULATED; SAME ON CUT SURFACE (COLLECTED); REGIONAL LN (MANDIBULAR) NORMAL (CAP 20)	MAMMARY, FEMALE (MF) : -GALACTOCELE,-MINIMAL, MULTI-FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT -M-CARCINOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91267 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/04/99 STUDY DAY OF DEATH: 464 STUDY WEEK OF DEATH: 67 TERMINAL BODY WEIGHT: 404.8 GRAMS
DATE AND TIME OF NECROPSY: 05/04/99 14:08 PROSECTOR: MICHELE MARGGI RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS #2; RIGHT ABDOMINAL REGION: SINGLE MASS, 45 X 30 X 15 MM, TAN, FIRM AND LOBULATED; SAME ON CUT SURFACE (COLLECTED); REGIONAL LN (INGUINAL) NORMAL (CAP 21); SKIN OVERLYING MASS HAS A SINGLE TAN, ABRADED AREA, 45 X 20 MM; COLLECTED INTACT WITH MASS	
		CAUSE OF DEATH (CD) : -MAMMARY CARCINOMA,-PRESENT LN, MEDIASTINAL (ML) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -INFILTRATE, MACROPHAGE, PIGMENTED,- MINIMAL, MULTI-FOCAL >NOTE:>MEDIASTINAL LYMPH NODE WAS PRESENT ON THYMUS SECTION
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91267 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/04/99 STUDY DAY OF DEATH: 464 STUDY WEEK OF DEATH: 67 TERMINAL BODY WEIGHT: 404.8 GRAMS
DATE AND TIME OF NECROPSY: 05/04/99 14:08 PROSECTOR: MICHELE MARGGI RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), HEMATO NEOPLASIA (HN), LN, INGUINAL (IN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91268 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/29/99 STUDY DAY OF DEATH: 673 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 618.5 GRAMS
DATE AND TIME OF NECROPSY: 11/29/99 14:04 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); HEAD-MAXILLARY-LEFT; WEEK 80; 30 X 30MM; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) :	LIVER (LI) :
	-RED FOCUS(I)/AREA(S); DIAPHRAGMATIC SURFACE OF LEFT LATERAL LOBE: SINGLE DARK RED AREA, 7 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION	>UNREMARKABLE
>EYES; DISCOLORED/DARK RED; EYE-LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE		
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) :
		-MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
		ADRENAL, CORTEX (AC) :
		-ANGIECTASIS,-MODERATE, MULTI-FOCAL
		-HEMORRHAGE,-MODERATE, MULTI-FOCAL
		THYMUS (TH) :
		-CYST,-PRESENT
		HEART (HT) :
		-DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL
		-FIBROSIS,-MINIMAL, MULTI-FOCAL
	PITUITARY (PI) :	PITUITARY (PI) :
	-RED FOCUS(I)/AREA(S); RIGHT LATERAL ASPECT: SINGLE DARK RED AREA, 2 MM IN DIAMETER	-CYST,-PRESENT
		-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
		-PIGMENT,-MINIMAL, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
		SKIN (SK) :
		-HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91268 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/29/99 STUDY DAY OF DEATH: 673 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 618.5 GRAMS
DATE AND TIME OF NECROPSY: 11/29/99 14:04 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	SKIN (SK) : -MASS(ES); LEFT LATERAL CERVICAL REGION, EXTENDING ALONG LEFT MANDIBLE: SINGLE MASS, 40 X 35 X 30 MM, RED, DARK RED, TAN AND SOFT; ON SECTION EXUDES A TAN SEMIFLUID; COLLECTED; REGIONAL LN (SEE MANDIBULAR)	SKIN (SK) : -B-KERATOACANTHOMA,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL
		CAUSE OF DEATH (CD) : -KERATOACANTHOMA,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: DARK RED; COLLECTED	LN, MANDIBULAR (MN) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL
	FOOT/FOOTPAD(S) (FP) : -CRUSTED AREA(S); RIGHT HINDFOOT: SINGLE DARK RED CRUSTED AREA, 5 MM IN DIAMETER; COLLECTED	FOOT/FOOTPAD(S) (FP) : -FIBROSIS,-MODERATE, FOCAL -INFLAMMATION, ACUTE,-MODERATE, FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL OBESE	
	GENERAL INFORMATION (XX) : >NOTE:>ANIMAL IDENTIFICATION TRANSPONDER DAMAGED AT NECROPSY	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91268 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/29/99 STUDY DAY OF DEATH: 673 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 618.5 GRAMS
DATE AND TIME OF NECROPSY: 11/29/99 14:04 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91269 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/26/99 STUDY DAY OF DEATH: 578 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: 295.3 GRAMS
DATE AND TIME OF NECROPSY: 08/26/99 14:00 PROSECTOR: DAVID SCHUETTE RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: NOT OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL
>EYES; RED DISCHARGE; EYE-LEFT; VERIFIED AT NECROPSY: OBSERVED	KIDNEY (KD) : -GRANULAR MATERIAL; LEFT, WITHIN PELVIS: MULTIPLE TAN PINPOINT GRANULES	KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, FOCAL -MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL
>DISCHARGE; NASAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED		SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE, MULTI-FOCAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-MODERATELY SEVERE, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL
>APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE	PITUITARY (PI) : -MASS(ES); 10 X 8 X 6 MM, RED, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91269 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/26/99 STUDY DAY OF DEATH: 578 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: 295.3 GRAMS
DATE AND TIME OF NECROPSY: 08/26/99 14:00 PROSECTOR: DAVID SCHUETTE RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; LEFT: DARK BROWN AND DRY MATERIAL -DISCHARGE-NASAL; DARK BROWN AND DRY MATERIAL	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91269 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/26/99 STUDY DAY OF DEATH: 578 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: 295.3 GRAMS
DATE AND TIME OF NECROPSY: 08/26/99 14:00 PROSECTOR: DAVID SCHUETTE RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91270 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/08/99 STUDY DAY OF DEATH: 407 STUDY WEEK OF DEATH: 59 TERMINAL BODY WEIGHT: 226.6 GRAMS
DATE AND TIME OF NECROPSY: 03/08/99 12:58 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>SKIN & PELAGE; RED HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: NOT OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) :
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE		-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
	ADRENAL, CORTEX (AC) :	ADRENAL, CORTEX (AC) :
	-DARK FOCUS(I)/AREA(S); BILATERAL, WITHIN CORTEX: MULTIPLE BROWN AREAS ON EACH, EACH IS UP TO 2 MM IN DIAMETER	-ANGIECTASIS,-SLIGHT, MULTI-FOCAL -DEGENERATION, CYSTIC, CORTICAL,-MODERATELY SEVERE, FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 9 X 8 X 5 MM, RED, DARK RED, TAN, GREY AND SOFT	-HEMORRHAGE,-MINIMAL, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) :
		-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
	MAMMARY, FEMALE (MF) :	MAMMARY, FEMALE (MF) :
	-CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE TAN CREAMY FLUID FILLED CYSTS, UP TO 5 MM IN DIAMETER (CAP 20) -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	-GALACTOCELE,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91270 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/08/99 STUDY DAY OF DEATH: 407 STUDY WEEK OF DEATH: 59 TERMINAL BODY WEIGHT: 226.6 GRAMS
DATE AND TIME OF NECROPSY: 03/08/99 12:58 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-DISCHARGE-OCULAR; BILATERAL: RED
-DISCHARGE-NASAL; BILATERAL: RED
-ANIMAL THIN

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91270 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
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DATE AND TIME OF NECROPSY: 03/08/99 12:58 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91271 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/09/99 STUDY DAY OF DEATH: 653 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 314.5 GRAMS
DATE AND TIME OF NECROPSY: 11/09/99 13:36 PROSECTOR: CHANESTA ACKER RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); INGUINAL REGION-LEFT; WEEK 84; 35 X 50MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>MASS(ES); AXILLARY REGION-LEFT; WEEK 84; 30 X 30MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 89; VERIFIED AT NECROPSY: OBSERVED	ADRENAL, CORTEX (AC) : -LARGE; BILATERAL: RIGHT IS 7 X 5 X 4 MM, LEFT IS 6 X 5 X 3 MM	ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATELY SEVERE, FOCAL -DEGENERATION, CYSTIC, CORTICAL,-MODERATE, FOCAL -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -PIGMENT,-MINIMAL, FOCAL -THROMBUS,-MINIMAL, FOCAL
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE		
>EYES; RED DISCHARGE; EYE-LEFT; VERIFIED AT NECROPSY: OBSERVED		
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	PITUITARY (PI) : -MASS(ES); 11 X 10 X 7 MM, RED, DARK RED, TAN, LOBULATED AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED		STOMACH, NONGL (SU) : -EDEMA,-MODERATE, FOCAL
>DISCHARGE; GENITAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 11 X 10 X 6 MM, RED, TAN AND FIRM; SAME ON CUT SURFACE (CAP 21); REGIONAL LN (AXILLARY) NORMAL (CAP 22)	MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATELY SEVERE, MULTI-FOCAL -B-FIBROADENOMA,- 4 NEOPLASMS PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91271 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/09/99 STUDY DAY OF DEATH: 653 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 314.5 GRAMS
DATE AND TIME OF NECROPSY: 11/09/99 13:36 PROSECTOR: CHANESTA ACKER RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS #2; LEFT AXILLARY REGION: SINGLE MASS, 45 X 38 X 26 MM, RED, TAN, VASCULAR, LOBULATED AND FIRM; SAME ON CUT SURFACE (CAP 23); REGIONAL LN (AXILLARY) NORMAL (CAP 22) -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION -MASS #3; LEFT INGUINAL REGION: SINGLE MASS, 40 X 30 X 16 MM, RED, TAN, LOBULATED, SOME AREAS ARE SOFT AND SOME AREAS ARE FIRM; SAME ON CUT SURFACE; SOME SECTIONS EXUDE A GREEN, CREAMY SEMIFLUID (CAP 24); REGIONAL LN (INGUINAL) NOT IDENTIFIED -MASS #4; LEFT LATERAL ABDOMINAL REGION: SINGLE MASS, 25 X 18 X 5 MM, RED, TAN, DARK GREEN, LOBULATED AND SOFT; ON SECTION EXUDES A GREEN, CREAMY SEMIFLUID (CAP 25); REGIONAL LN (INGUINAL) NOT IDENTIFIED	
	VAGINA (VA) : -MASS(ES); WITHIN LUMEN: SINGLE MASS, 12 X 10 X 6 MM, RED, TAN AND FIRM; ON SECTION EXUDES A CLEAR FLUID; COLLECTED INTACT; REGIONAL LN (LUMBAR) NORMAL (CAP 26)	VAGINA (VA) : -M-CARCINOMA, SQUAMOUS CELL,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -SQUAMOUS CELL CARCINOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91271 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/09/99 STUDY DAY OF DEATH: 653 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 314.5 GRAMS
DATE AND TIME OF NECROPSY: 11/09/99 13:36 PROSECTOR: CHANESTA ACKER RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; BOTH REGIONS: MOIST RED AND YELLOW MATERIAL -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY, RED MATERIAL -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91271 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/09/99 STUDY DAY OF DEATH: 653 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 314.5 GRAMS
DATE AND TIME OF NECROPSY: 11/09/99 13:36 PROSECTOR: CHANESTA ACKER RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), HEMATO NEOPLASIA (HN), LN, LUMBAR/ILIAC (LM), LN, AXILLARY (AX)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91272 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 206.1 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 11:06 PROSECTOR: TODD ACKER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	7.4750	3.6269 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LEFT OVARY (OV0)	--------	--------	--------	NOT TAKEN
RIGHT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT THYROID/PAR (TT0)	--------	--------	--------	NOT TAKEN
RIGHT THYROID/PR (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91272 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
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DATE AND TIME OF NECROPSY: 02/18/98 11:06 PROSECTOR: TODD ACKER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91273 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/09/99 STUDY DAY OF DEATH: 561 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 354.7 GRAMS
DATE AND TIME OF NECROPSY: 08/09/99 13:13 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); INGUINAL REGION-LEFT; WEEK 76; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL SPLEEN (SP) : -PIGMENT, INCREASED,-MINIMAL, MULTI-FOCAL ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL, FOCAL
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 6 X 7 X 9 MM, SOFT, RED, DARK RED AND TAN MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 7 X 10 X 14 MM, FIRM, RED, DARK RED, TAN AND LOBULATED; SAME ON CUT SURFACE (CAP 21); REGIONAL LN (INGUINAL) NOT IDENTIFIED	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -INFLAMMATION, ACUTE,-SLIGHT, FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91273 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
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DATE AND TIME OF NECROPSY: 08/09/99 13:13 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -THICKENED; ALL REGIONS, DIFFUSE: FIRM AND TAN; COLLECTED WITH ROUTINE SECTION	
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT LN, MEDIASTINAL (ML) : -INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT, MULTI-FOCAL >NOTE:>MEDIASTINAL LYMPH NODE WAS PRESENT ON THYMUS SLIDE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; LEFT: DRY RED MATERIAL	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 08/09/99 13:13 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91274 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 05/30/99 STUDY DAY OF DEATH: 490 STUDY WEEK OF DEATH: 70 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 05/30/99 13:58 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: NOT OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT -HEMORRHAGE,-SLIGHT, MULTI-FOCAL KIDNEY (KD) : -MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL PANCREAS (PA) : -PIGMENT,-MINIMAL, MULTI-FOCAL ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL SPINAL CORD (SC) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL
	PITUITARY (PI) : -MASS(ES); 12 X 11 X 8 MM, DARK RED, GREY, TAN, LOBULATED, CYSTIC AND SOFT; ON SECTION EXUDES A CLEAR FLUID	PITUITARY (PI) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-SLIGHT, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91274 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 05/30/99 STUDY DAY OF DEATH: 490 STUDY WEEK OF DEATH: 70 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 05/30/99 13:58 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	UTERUS (UT) : -LUMEN FILLED WITH FLUID; RIGHT: DARK RED FLUID	UTERUS (UT) : -DILATATION,-MODERATE, FOCAL -B-POLYP, ENDOMETRIAL, STROMAL,-NEOPLASM PRESENT CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	LN, MANDIBULAR (MN) : -MOTTLED; BILATERAL: DARK RED AND TAN; COLLECTED	LN, MANDIBULAR (MN) : >UNREMARKABLE
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; BOTH REGIONS: MOIST, YELLOW MATERIAL -DISCHARGE-OCULAR; BILATERAL: DRY, RED MATERIAL	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91274 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
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DATE AND TIME OF NECROPSY: 05/30/99 13:58 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91275 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/20/99 STUDY DAY OF DEATH: 480 STUDY WEEK OF DEATH: 69 TERMINAL BODY WEIGHT: 296.5 GRAMS
DATE AND TIME OF NECROPSY: 05/20/99 9:12 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-LEFT; WEEK 58; 25 X 25MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
		-DILATATION, VENTRICULAR,-PRESENT
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) :
		-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
>EYES; RED DISCHARGE; EYE-LEFT; VERIFIED AT NECROPSY: OBSERVED		ADRENAL, CORTEX (AC) :
		-ANGIECTASIS,-MODERATE, MULTI-FOCAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		-HEMORRHAGE,-MODERATE, MULTI-FOCAL
		OVARY (OV) :
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		-CYST,-PRESENT
		LUNG (LU) :
		-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
		HEART (HT) :
		-DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL
		-FIBROSIS,-MINIMAL, MULTI-FOCAL
		MUSCLE, SKELETAL (SM) :
		-DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL
		THYROID (TY) :
		-CYST, ULTIMOBRANCHIAL,-PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 15 X 10 X 8 MM, DARK RED, GRAY, AND SOFT	-HEMORRHAGE,-SEVERE, FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91275 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
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DATE AND TIME OF NECROPSY: 05/20/99 9:12 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -CYST(S); LEFT SHOULDER REGION: SINGLE CYST, 20 MM IN DIAMETER, FILLED WITH A DARK BROWN, TENACIOUS SEMIFLUID AND BROWN, FRIABLE SEMISOLID MATERIAL (CAP 20); POSSIBLY CONSISTENT WITH MASS NOTED IN CLINICAL OBSERVATIONS -THICKENED; ALL REGIONS, DIFFUSE: TAN, FIRM, AND CYSTIC (CAP 21) TAIL (TI) : -CRUSTED AREA(S); ALONG ENTIRE LENGTH: MULTIPLE BROWN, DRY, CRUSTED AREAS, UP TO 5 X 3 MM; COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: RED AND DRY -ANIMAL THIN	MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATELY SEVERE, MULTI-FOCAL -INFLAMMATION, ACUTE,-MODERATE, FOCAL -MINERALIZATION,-MODERATE, MULTI-FOCAL -PIGMENT,-MINIMAL, MULTI-FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT TAIL (TI) : -EROSION,-SLIGHT, MULTI-FOCAL -INFLAMMATION, ACUTE,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91275 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/20/99 STUDY DAY OF DEATH: 480 STUDY WEEK OF DEATH: 69 TERMINAL BODY WEIGHT: 296.5 GRAMS
DATE AND TIME OF NECROPSY: 05/20/99 9:12 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91276 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/29/99 STUDY DAY OF DEATH: 673 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 410.2 GRAMS
DATE AND TIME OF NECROPSY: 11/29/99 14:44 PROSECTOR: JAMES T. CALLEN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 62; 30 X 40MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>MASS(ES); VENTRAL-ABDOMINAL; WEEK 72; 40 X 45MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED		ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-MODERATELY SEVERE, MULTI-FOCAL
>MASS(ES); AXILLARY REGION-LEFT; WEEK 82; 30 X 20MM; VERIFIED AT NECROPSY: OBSERVED		-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
>MASS(ES); DORSAL-CERVICAL-LEFT; WEEK 82; 70 X 60MM; VERIFIED AT NECROPSY: OBSERVED		THYMUS (TH) : -CYST,-PRESENT
>MASS(ES); INGUINAL REGION-LEFT; WEEK 88; 30 X 20MM; VERIFIED AT NECROPSY: OBSERVED		LUNG (LU) : -INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT, FOCAL
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 93; VERIFIED AT NECROPSY: OBSERVED	PITUITARY (PI) : -MASS(ES); 10 X 6 X 6 MM, DARK RED, TAN AND FIRM	PITUITARY (PI) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL
>SKIN & PELAGE; BLUE SKIN; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: NOT APPLICABLE		-B-ADENOMA,-NEOPLASM PRESENT
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: NOT OBSERVED		SKIN (SK) : -INFLAMMATION, ACUTE,-SLIGHT, FOCAL
		-ULCERATION,-SLIGHT, FOCAL
		MAMMARY, FEMALE (MF) : -GALACTOCELE,-SEVERE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91276 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/29/99 STUDY DAY OF DEATH: 673 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 410.2 GRAMS
DATE AND TIME OF NECROPSY: 11/29/99 14:44 PROSECTOR: JAMES T. CALLEN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>HOUSING,FOOD,WATER & MAINT.; TEETH CUT; VERIFIED AT NECROPSY: NOT APPLICABLE >EYES; PALE; EYES; VERIFIED AT NECROPSY: NOT APPLICABLE >SKIN & PELAGE; SORE/SCAB; LATERAL-ABDOMINAL-RIGHT; VERIFIED AT NECROPSY: OBSERVED	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 36 X 24 X 16 MM, TAN, RED, BLACK AND SOFT; SAME ON CUT SURFACE (CAP 21); REGIONAL LN (SEE AXILLARY) -CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE TAN CREAMY SEMIFLUID FILLED CYSTS, UP TO 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION -MASS #2; LEFT AXILLARY, CRANIAL TO MASS #1: SINGLE MASS, 75 X 60 X 25 MM, TAN, LOBULATED, VASCULAR AND FIRM; SAME ON CUT SURFACE (CAP 23); REGIONAL LN (SEE AXILLARY) -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION -MASS #3; LEFT INGUINAL REGION: SINGLE MASS, 80 X 27 X 19 MM, TAN, BROWN, BLACK AND SOFT; ON SECTION, EXUDES A DARK BROWN SEMIFLUID (CAP 24); REGIONAL LN (INGUINAL) NOT IDENTIFIED -MASS #4; RIGHT AXILLARY REGION: SINGLE MASS, 30 X 20 X 17 MM, TAN, BROWN, LOBULATED AND SOFT; ON SECTION, EXUDES A TAN CREAMY SEMISOLID (CAP 25); REGIONAL LN (SEE AXILLARY)	MAMMARY, FEMALE (MF) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -MINERALIZATION,-MODERATE, MULTI-FOCAL -B-FIBROADENOMA,- 3 NEOPLASMS PRESENT -M-CARCINOMA,- 2 NEOPLASMS PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91276 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/29/99 STUDY DAY OF DEATH: 673 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 410.2 GRAMS
DATE AND TIME OF NECROPSY: 11/29/99 14:44 PROSECTOR: JAMES T. CALLEN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS #5; RIGHT INGUINAL REGION: SINGLE MASS, 89 X 54 X 14 MM, RED, TAN, BROWN, LOBULATED, AND SOFT; ON SECTION, EXUDES A DARK BROWN SEMIFLUID (CAP 26); REGIONAL LN (INGUINAL) NOT IDENTIFIED; OVERLYING SKIN HAS A RED, BLACK, DRY ULCERATED AREA, 20 X 15 MM; COLLECTED INTACT WITH MASS	
		CAUSE OF DEATH (CD) : -MAMMARY CARCINOMA,-PRESENT
	LN, MANDIBULAR (MN) : -LARGE; LEFT: 12 X 7 X 2 MM (RIGHT IS 6 X 3 X 1 MM); COLLECTED	LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOCYTIC,-SLIGHT, DIFFUSE
	LN, AXILLARY (AX) : -MOTTLED; BILATERAL: RED AND TAN (CAP 22)	LN, AXILLARY (AX) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; MOIST YELLOW MATERIAL -BLOOD FILM TAKEN -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE OF DEATH: 11/29/99 STUDY DAY OF DEATH: 673 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 410.2 GRAMS
DATE AND TIME OF NECROPSY: 11/29/99 14:44 PROSECTOR: JAMES T. CALLEN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91277 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/07/99 STUDY DAY OF DEATH: 498 STUDY WEEK OF DEATH: 72 TERMINAL BODY WEIGHT: 222.9 GRAMS
DATE AND TIME OF NECROPSY: 06/07/99 14:53 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 72; 30 X 50MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -MINERALIZATION, TUBULAR,-MINIMAL, MULTI-FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MINIMAL, MULTI-FOCAL -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -VACUOLATION,-MINIMAL, MULTI-FOCAL
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE		THYMUS (TH) : -CYST,-PRESENT
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED		HEART (HT) : -MINERALIZATION,-MINIMAL, MULTI-FOCAL
>SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE	PITUITARY (PI) : -DARK FOCUS(I)/AREA(S); MID ASPECT: SINGLE DARK BROWN AREA, 5 X 2 MM -LARGE; 7 X 4 X 3 MM; APPEARS SWOLLEN	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
>SKIN & PELAGE; COLD TO TOUCH; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN AREAS, UP TO 2 X 1 MM	STOMACH, GL (ST) : -EROSION,-MODERATE, FOCAL -MINERALIZATION,-MODERATE, MULTI-FOCAL
		SKIN (SK) : -INFLAMMATION, ACUTE,-MODERATE, MULTI-FOCAL -ULCERATION,-MODERATE, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 06/07/99 14:53 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 50 X 45 X 25 MM, RED, DARK RED, TAN, FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED, DRY MATERIAL -ANIMAL THIN	MAMMARY, FEMALE (MF) : -GALACTOCELE,-MINIMAL, MULTI-FOCAL -INFLAMMATION, ACUTE,-MODERATE, MULTI-FOCAL -NECROSIS,-SEVERE, MULTI-FOCAL -M-CARCINOMA,-NEOPLASM PRESENT CAUSE OF DEATH (CD) : -MAMMARY CARCINOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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DATE AND TIME OF NECROPSY: 06/07/99 14:53 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91278 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 420.4 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 7:38 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-LEFT; WEEK 105; 10 X 10MM; VERIFIED AT NECROPSY: NOT OBSERVED	OVARY (OV) : -CYST(S); LEFT: SINGLE CLEAR FLUID FILLED CYST, 6 MM IN DIAMETER	OVARY (OV) : >UNREMARKABLE
>MASS(ES); VENTRAL-CERVICAL-RIGHT; WEEK 105; 20 X 20MM; VERIFIED AT NECROPSY: OBSERVED	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); RIGHT AND LEFT ASPECT: SINGLE DARK RED AREA ON EACH, EACH IS 2 X 1 MM	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT VENTRAL CERVICAL REGION: SINGLE MASS, 25 X 18 X 15 MM, TAN, RED, DARK RED AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (SEE MANDIBULAR) -MASS #2; RIGHT AXILLARY REGION: SINGLE MASS, 22 X 14 X 13 MM, TAN, RED, DARK RED AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (SEE AXILLARY)	MAMMARY, FEMALE (MF) : -M-CARCINOMA,- 2 NEOPLASMS PRESENT
	CERVIX (CV) : -MASS(ES); ATTACHED TO RIGHT SEROSAL SURFACE, EXTENDING TOWARDS VAGINA: SINGLE MASS, 20 X 6 X 5 MM, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (LUMBAR) NORMAL (CAP 24)	CERVIX (CV) : -HYPERTROPHY, SMOOTH MUSCLE,-MODERATE, DIFFUSE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91278 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 420.4 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 7:38 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	UTERUS (UT) : -CYST(S); BILATERAL, WITHIN WALLS: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 7 MM IN DIAMETER	UTERUS (UT) : -DILATATION,-MODERATELY SEVERE, DIFFUSE
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: DARK RED; COLLECTED	LN, MANDIBULAR (MN) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL
	LN, AXILLARY (AX) : -MOTTLED; BILATERAL: RED AND TAN (CAP 23)	LN, AXILLARY (AX) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91278 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 420.4 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 7:38 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), VAGINA (VA), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LIVER (LI), KIDNEY (KD), PANCREAS (PA), LUNG (LU), THYROID (TY), URINARY BLADDER (UB), LN, LUMBAR/ILIAC (LM)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91279 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 524.9 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 10:21 PROSECTOR: GREGORY CODDINGTON RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 53; 70 X 70MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : >UNREMARKABLE
>MASS(ES); INGUINAL REGION-LEFT; WEEK 80; 20 X 20MM; VERIFIED AT NECROPSY: NOT OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALONG MARGIN OF RIGHT MEDIAN LOBE: SINGLE DARK RED AREA, 4 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION	LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-SLIGHT, MULTI-FOCAL -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL
>SKIN & PELAGE; SORE/SCAB; VENTRAL-ABDOMINAL-LEFT; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -MINERALIZATION, PELVIC,-MODERATE, FOCAL
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 96; 35 X 30MM; VERIFIED AT NECROPSY: OBSERVED	ADRENAL, CORTEX (AC) : -LARGE; LEFT: 8 X 5 X 5 MM (RIGHT IS 5 X 4 X 4 MM)	ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-MODERATELY SEVERE, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL -VACUOLATION,-MODERATELY SEVERE, FOCAL
	LN, MESENTERIC (MS) : -LARGE; UP TO 18 MM IN DIAMETER -RED FOCUS(I)/AREA(S); MULTIPLE DARK RED AREAS, UP TO 10 MM IN DIAMETER	LN, MESENTERIC (MS) : -DILATATION, SINUSOIDAL,-MODERATELY SEVERE, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL
		THYROID (TY) : -B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91279 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 524.9 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 10:21 PROSECTOR: GREGORY CODDINGTON RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 9 X 8 X 7 MM, RED, DARK RED, TAN AND SOFT MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 20 X 15 X 15 MM, DARK RED, TAN, LOBULATED AND FIRM; SAME ON CUT SURFACE (CAP 20); REGIONAL LN (AXILLARY) NORMAL (CAP 21) -MASS #2; RIGHT AXILLARY REGION: SINGLE MASS, 40 X 30 X 18 MM, TAN, LOBULATED, VASCULAR AND FIRM; SAME ON CUT SURFACE (CAP 22); REGIONAL LN (AXILLARY) NORMAL (CAP 21) -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION -MASS #3; RIGHT INGUINAL REGION: SINGLE MASS, 15 X 12 X 10 MM, DARK RED, TAN AND SOFT; ON SECTION EXUDES A BROWN SEMIFLUID (CAP 23); REGIONAL LN (INGUINAL) NOT IDENTIFIED -MASS #4; LEFT INGUINAL REGION: SINGLE MASS, 80 X 65 X 35 MM, RED, DARK RED, TAN, GRAY, LOBULATED AND FIRM; SAME ON CUT SURFACE; PORTION COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATE, MULTI-FOCAL -PIGMENT,-MODERATE, FOCAL -B-ADENOMA,-NEOPLASM PRESENT -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT -M-CARCINOMA,- 2 NEOPLASMS PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91279 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 524.9 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 10:21 PROSECTOR: GREGORY CODDINGTON RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS #5; LEFT PERINEAL REGION: SINGLE MASS, 25 X 18 X 14 MM, RED, DARK RED, GRAY, TAN, LOBULATED AND FIRM; SAME ON CUT SURFACE (CAP 24); OVERLYING SKIN HAS A SINGLE ULCERATED AREA, 2 MM IN DIAMETER; COLLECTED INTACT WITH MASS; REGIONAL LN (INGUINAL) NOT IDENTIFIED	
	UTERUS (UT) : -CYST(S); MID PORTION OF LEFT HORN, WITHIN WALL: SINGLE CLEAR FLUID FILLED CYST, 6 MM IN DIAMETER -RED FOCUS(I)/AREA(S); PROXIMAL END OF LEFT HORN, MUCOSAL SURFACE: SINGLE DARK RED AREA, 4 X 3 MM	UTERUS (UT) : -DILATATION,-MODERATELY SEVERE, DIFFUSE -B-POLYP, ENDOMETRIAL, STROMAL,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
		LN, AXILLARY (AX) : -DILATATION, SINUSOIDAL,-MINIMAL, MULTI-FOCAL -EDEMA,-SLIGHT, MULTI-FOCAL
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; DARK GREEN AND MOIST -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91279 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 524.9 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 10:21 PROSECTOR: GREGORY CODDINGTON RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), ADRENAL, MEDULLA (MA), LUNG (LU), SKIN (SK), URINARY BLADDER (UB)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91280 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/07/99 STUDY DAY OF DEATH: 681 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: 389.1 GRAMS
DATE AND TIME OF NECROPSY: 12/07/99 10:51 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) :	LIVER (LI) :
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	-RAISED FOCUS(I)/AREA(S); CAUDATE LOBE, NEAR HILUS: SINGLE DARK RED, TAN AND RAISED AREA, 8 X 5 X 5 MM (CAP 21)	-VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL -B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE		
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-MODERATE, FOCAL
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE	ADRENAL, CORTEX (AC) : -LARGE; LEFT: 9 X 8 X 8 MM (RIGHT IS 5 X 4 X 3 MM)	ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SEVERE, FOCAL -DEGENERATION, CYSTIC, CORTICAL,-MODERATE, FOCAL -HEMORRHAGE,-MINIMAL, MULTI-FOCAL
		THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 11 X 8 X 5 MM, DARK RED, TAN AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE BROWN AREAS, UP TO 1 MM IN DIAMETER	STOMACH, GL (ST) : >UNREMARKABLE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91280 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
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DATE AND TIME OF NECROPSY: 12/07/99 10:51 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL UTERUS (UT) : -DILATATION,-MINIMAL, FOCAL CAUSE OF DEATH (CD) : -HEPATOCELLULAR ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY DARK RED MATERIAL -DISCHARGE-NASAL; DRY DARK RED MATERIAL	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91280 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91281 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 263.4 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 8:30 PROSECTOR: DONIA MEYER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0475	.0180 %	.0238	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0385	.0146 %	.0193	WEIGHT TAKEN
BRAIN (BR)	1.9995	.7591 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.1798	.4479 %	.5900	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.2833	.4872 %	.6418	WEIGHT TAKEN
LIVER (LI)	9.9915	3.7933 %	4.9970	WEIGHT TAKEN
LUNG (LU)	1.2442	.4724 %	.6223	WEIGHT TAKEN
LEFT OVARY (OV0)	.0784	.0298 %	.0392	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0779	.0296 %	.0390	WEIGHT TAKEN
SPLEEN (SP)	.4918	.1867 %	.2460	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0074	.0028 %	.0037	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0094	.0036 %	.0047	WEIGHT TAKEN
UTERUS (UT)	.5260	.1997 %	.2631	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

STOMACH, GL (ST) :
-DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN AREAS, UP TO 2 X 1 MM

LN, MANDIBULAR (MN) :
-DIFFUSELY RED; BILATERAL: DARK RED (CAP 20)

HISTOPATHOLOGY

KIDNEY (KD) :
-MINERALIZATION, TUBULAR,-MINIMAL, MULTI-FOCAL
STOMACH, GL (ST) :
>NOT REQUIRED TO BE EXAMINED FOR ANIMAL

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT
LN, MANDIBULAR (MN) :
>NOT REQUIRED TO BE EXAMINED FOR ANIMAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91281 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
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DATE AND TIME OF NECROPSY: 04/29/98 8:30 PROSECTOR: DONIA MEYER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -BONE MARROW SMEAR TAKEN -URINARY BLADDER-SMALL LUMEN; 4 X 3 X 1 MM	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91282 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/25/99 STUDY DAY OF DEATH: 365 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 274.4 GRAMS
DATE AND TIME OF NECROPSY: 01/25/99 9:56 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>SKIN & PELAGE; BROWN HAIR COAT; PERINEAL AREA; VERIFIED AT NECROPSY: OBSERVED
>DISCHARGE; NASAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE
>RESPIRATION; AUDIBLE; VERIFIED AT NECROPSY: NOT APPLICABLE
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

PITUITARY (PI) :
-MASS(ES); 13 X 8 X 8 MM, RED AND SOFT
STOMACH, GL (ST) :
-MASS(ES); PYLORIC MUCOSA: TWO BROWN ERODED AREAS, EACH IS 2 MM IN DIAMETER

GENERAL COMMENT (GC) :
-STAINS-PERINEUM/PERIANAL; DARK BROWN AND DRY
-BLOOD FILM TAKEN

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
-DILATATION, VENTRICULAR,-PRESENT
LIVER (LI) :
-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
-NECROSIS, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL
-VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL
THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC,-MODERATELY SEVERE, DIFFUSE
PARATHYROID (PT) :
>SECTION EXAMINED; TISSUE NOT PRESENT
PITUITARY (PI) :
-B-ADENOMA,-NEOPLASM PRESENT
STOMACH, GL (ST) :
>UNREMARKABLE

CAUSE OF DEATH (CD) :
-PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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DATE AND TIME OF NECROPSY: 01/25/99 9:56 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY -DISCHARGE-NASAL; DARK RED AND DRY -GI TRACT-DARK DRY CONTENT; CECUM: DARK GREEN, IMPACTED, FECAL-LIKE MATERIAL	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91283 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/03/99 STUDY DAY OF DEATH: 647 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 282.2 GRAMS
DATE AND TIME OF NECROPSY: 10/03/99 13:56 PROSECTOR: WENDY CHERRY RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 82; 20 X 20MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
		-DILATATION, VENTRICULAR,-PRESENT
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 82; 35 X 30MM; VERIFIED AT NECROPSY: OBSERVED		-HEMORRHAGE,-MINIMAL, FOCAL
		LIVER (LI) :
		-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE		-VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-RIGHT; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) :
		-MINERALIZATION, PELVIC,-SLIGHT, FOCAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		ADRENAL, CORTEX (AC) :
		-DEGENERATION, CYSTIC, CORTICAL,-MODERATE, FOCAL
>SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE		-HEMORRHAGE,-SLIGHT, FOCAL
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE	LN, MESENTERIC (MS) :	LN, MESENTERIC (MS) :
	-DIFFUSELY DARK; LIGHT BROWN	>UNREMARKABLE
		THYROID (TY) :
		-CYST, ULTIMOBRANCHIAL,-PRESENT
		-B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 12 X 10 X 8 MM, DARK RED, GRAY AND SOFT	-HEMORRHAGE,-MODERATE, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 25 X 25 X 20 MM, TAN AND FIRM; ON SECTION CONTAINS A TAN CASEOUS SEMISOLID; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 23) -MASS #2; RIGHT INGUINAL REGION: SINGLE MASS, 35 X 35 X 15 MM, TAN, YELLOW, LOBULATED AND SOFT; SOME SECTIONS CONTAIN A TAN CASEOUS SEMISOLID; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATELY SEVERE, MULTI-FOCAL -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT
	UTERUS (UT) : -CYST(S); BILATERAL, WITHIN WALLS: MULTIPLE CLEAR AND RED FLUID FILLED CYSTS, UP TO 6 MM IN DIAMETER	UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-MODERATE, FOCAL
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	FOOT/FOOTPAD(S) (FP) : -CRUSTED AREA(S); RIGHT HINDFOOT: SINGLE TAN AND RAISED AREA, 10 X 6 X 6 MM; COLLECTED	FOOT/FOOTPAD(S) (FP) : -FIBROSIS,-MODERATE, FOCAL -INFLAMMATION, ACUTE,-MINIMAL, MULTI-FOCAL
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; YELLOW AND DRY -BLOOD FILM TAKEN -DISCHARGE-NASAL; DARK RED AND DRY -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91284 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/20/99 STUDY DAY OF DEATH: 694 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/20/99 9:52 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE, MULTI-FOCAL -DEGENERATION, CYSTIC, CORTICAL,-SLIGHT, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL
	OVARY (OV) : -CYST(S); LEFT: SINGLE CLEAR FLUID FILLED CYST, 7 MM IN DIAMETER	OVARY (OV) : >UNREMARKABLE
	PITUITARY (PI) : -LARGE; 6 X 5 X 4 MM	PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -LIPOSARCOMA,-PRESENT
	CAVITY, THORACIC (TA) : -MASS(ES); ATTACHED TO DIAPHRAGM AND THYMUS: SINGLE MASS, 25 X 20 X 20 MM, TAN, DARK RED, AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (MEDIASTINAL) NORMAL (CAP 21)	CAVITY, THORACIC (TA) : -M-LIPOSARCOMA,-NEOPLASM PRESENT

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-FLUID-THORACIC CAVITY; CONTAINS A
LARGE AMOUNT OF DARK RED FLUID

HISTOPATHOLOGY

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MEDIASTINAL (ML), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91285 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 202.7 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 10:06 PROSECTOR: DONIA MEYER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	6.5999	3.2560 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LEFT OVARY (OV0)	--------	--------	--------	NOT TAKEN
RIGHT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT THYROID/PAR (TT0)	--------	--------	--------	NOT TAKEN
RIGHT THYROID/PR (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91285 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 202.7 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 10:06 PROSECTOR: DONIA MEYER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91286 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 381.9 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 13:27 PROSECTOR: TONY HANFELD RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL PANCREAS (PA) : -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); LEFT ANTERIOR ASPECT: SINGLE DARK RED, SLIGHTLY RAISED AREA, 3 X 3 X 2 MM	PITUITARY (PI) : -HEMORRHAGE,-MODERATELY SEVERE, FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91286 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 381.9 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 13:27 PROSECTOR: TONY HANFELD RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LIVER (LI), LUNG (LU), MAMMARY, FEMALE (MF), URINARY BLADDER (UB)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91287 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 168.4 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 10:52 PROSECTOR: TODD ACKER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	5.8456	3.4713 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LEFT OVARY (OV0)	--------	--------	--------	NOT TAKEN
RIGHT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT THYROID/PAR (TT0)	--------	--------	--------	NOT TAKEN
RIGHT THYROID/PR (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91287 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 168.4 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 10:52 PROSECTOR: TODD ACKER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91288 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 261.9 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 10:26 PROSECTOR: DONIA MEYER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0295	.0113 %	.0157	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0332	.0127 %	.0176	WEIGHT TAKEN
BRAIN (BR)	1.8834	.7191 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.2385	.4729 %	.6576	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.2662	.4835 %	.6723	WEIGHT TAKEN
LIVER (LI)	8.8606	3.3832 %	4.7046	WEIGHT TAKEN
LUNG (LU)	1.1983	.4575 %	.6362	WEIGHT TAKEN
LEFT OVARY (OV0)	.0327	.0125 %	.0174	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0481	.0184 %	.0255	WEIGHT TAKEN
SPLEEN (SP)	.4713	.1800 %	.2502	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0092	.0035 %	.0049	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0089	.0034 %	.0047	WEIGHT TAKEN
UTERUS (UT)	.8430	.3219 %	.4476	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

STOMACH, GL (ST) :
-RED FOCUS(I)/AREA(S); MUCOSA: SINGLE PINPOINT AREA
UTERUS (UT) :
-LUMEN FILLED WITH FLUID; BILATERAL: CLEAR FLUID

HISTOPATHOLOGY

LN, MESENTERIC (MS) :
-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL, MULTI-FOCAL
STOMACH, GL (ST) :
>NOT REQUIRED TO BE EXAMINED FOR ANIMAL
UTERUS (UT) :
>NOT REQUIRED TO BE EXAMINED FOR ANIMAL
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91288 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 261.9 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 10:26 PROSECTOR: DONIA MEYER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), OVARY (OV)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91289 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/17/99 STUDY DAY OF DEATH: 508 STUDY WEEK OF DEATH: 73 TERMINAL BODY WEIGHT: 224.2 GRAMS
DATE AND TIME OF NECROPSY: 06/17/99 13:55 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		-DILATATION, VENTRICULAR,-PRESENT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED		KIDNEY (KD) :
>RESPIRATION; AUDIBLE; VERIFIED AT NECROPSY: NOT APPLICABLE		-MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL
>RESPIRATION; IRREGULAR; VERIFIED AT NECROPSY: NOT APPLICABLE		SPLEEN (SP) :
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE		-PIGMENT, INCREASED,-MINIMAL, MULTI-FOCAL
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE		ADRENAL, CORTEX (AC) :
>DISCHARGE; ORAL; CLEAR; VERIFIED AT NECROPSY: OBSERVED		-ANGIECTASIS,-SLIGHT, MULTI-FOCAL
>SKIN & PELAGE; COLD TO TOUCH; LIMBS-ALL; VERIFIED AT NECROPSY: NOT APPLICABLE		-DEGENERATION, CYSTIC, CORTICAL,-MODERATE, FOCAL
		-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
		OVARY (OV) :
		-CYST,-PRESENT
		THYMUS (TH) :
		-CYST,-PRESENT
		LUNG (LU) :
		-INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT, MULTI-FOCAL
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); SINGLE MASS, 13 X 10 X 10 MM, RED, DARK RED, BROWN AND FIRM	-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91289 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/17/99 STUDY DAY OF DEATH: 508 STUDY WEEK OF DEATH: 73 TERMINAL BODY WEIGHT: 224.2 GRAMS
DATE AND TIME OF NECROPSY: 06/17/99 13:55 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL RECTUM (RE) : -PARASITISM,-PRESENT CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -DISCHARGE-ORAL; CLEAR AND MOIST -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL: UPPER INCISORS	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91289 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/17/99 STUDY DAY OF DEATH: 508 STUDY WEEK OF DEATH: 73 TERMINAL BODY WEIGHT: 224.2 GRAMS
DATE AND TIME OF NECROPSY: 06/17/99 13:55 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91290 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/08/99 STUDY DAY OF DEATH: 407 STUDY WEEK OF DEATH: 59 TERMINAL BODY WEIGHT: 294.0 GRAMS
DATE AND TIME OF NECROPSY: 03/08/99 13:28 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 52; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE		-DILATATION, VENTRICULAR,-PRESENT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED		LIVER (LI) :
		-TELANGIECTASIS,-SLIGHT, FOCAL
		KIDNEY (KD) :
		-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
		-MINERALIZATION, TUBULAR,-SLIGHT, MULTI-FOCAL
		ADRENAL, CORTEX (AC) :
		-ANGIECTASIS,-MODERATE, MULTI-FOCAL
		-HEMORRHAGE,-MODERATE, MULTI-FOCAL
		THYMUS (TH) :
		-CYST,-PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 13 X 8 X 5 MM, DARK RED, TAN AND SOFT	-HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL
		-PIGMENT,-SLIGHT, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) :
		-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
		STOMACH, NONGL (SU) :
		-EDEMA,-SLIGHT, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91290 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/08/99 STUDY DAY OF DEATH: 407 STUDY WEEK OF DEATH: 59 TERMINAL BODY WEIGHT: 294.0 GRAMS
DATE AND TIME OF NECROPSY: 03/08/99 13:28 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 24 X 14 X 10 MM, RED, DARK RED, TAN, FIRM, AND LOBULATED; SOME SECTIONS EXUDE A DARK RED FLUID; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 20)	MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL -PIGMENT,-SLIGHT, MULTI-FOCAL -M-CARCINOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED -MALOCCLUSION; BILATERAL: UPPER INCISORS	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91290 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/08/99 STUDY DAY OF DEATH: 407 STUDY WEEK OF DEATH: 59 TERMINAL BODY WEIGHT: 294.0 GRAMS
DATE AND TIME OF NECROPSY: 03/08/99 13:28 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91291 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 207.8 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 10:11 PROSECTOR: DONIA MEYER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	7.1834	3.4569 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LEFT OVARY (OV0)	--------	--------	--------	NOT TAKEN
RIGHT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT THYROID/PAR (TT0)	--------	--------	--------	NOT TAKEN
RIGHT THYROID/PR (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91291 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 207.8 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 10:11 PROSECTOR: DONIA MEYER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91292 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 741.6 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 10:57 PROSECTOR: JARED FISHEL RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -HYPERPLASIA, BILE DUCT,-SLIGHT, MULTI-FOCAL KIDNEY (KD) : -MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL PANCREAS (PA) : -ATROPHY, ACINAR,-MINIMAL, FOCAL
	OVARY (OV) : -CYST(S); LEFT: SINGLE CLEAR FLUID FILLED CYST, 3 MM IN DIAMETER THYROID (TY) : -LARGE; BILATERAL: LEFT IS 7 X 5 X 5 MM, RIGHT IS 7 X 4 X 3 MM PITUITARY (PI) : -LARGE; 6 X 5 X 5 MM; APPEARS SWOLLEN MAMMARY, FEMALE (MF) : -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	OVARY (OV) : -CYST,-PRESENT THYROID (TY) : -B-ADENOMA, C-CELL,- 2 NEOPLASMS PRESENT PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT MAMMARY, FEMALE (MF) : -GALACTOCELE,-MINIMAL, MULTI-FOCAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91292 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 741.6 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 10:57 PROSECTOR: JARED FISHEL RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -MALOCCLUSION; BILATERAL, UPPER INCISORS -BONE MARROW SMEAR TAKEN -ANIMAL OBESE	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), URINARY BLADDER (UB)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91293 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 278.8 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 10:25 PROSECTOR: TERRI L. WILLIAMS RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0309	.0111 %	.0152	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0277	.0099 %	.0136	WEIGHT TAKEN
BRAIN (BR)	2.0350	.7299 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.0502	.3767 %	.5161	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.0631	.3813 %	.5224	WEIGHT TAKEN
LIVER (LI)	8.1243	2.9140 %	3.9923	WEIGHT TAKEN
LUNG (LU)	1.1760	.4218 %	.5779	WEIGHT TAKEN
LEFT OVARY (OV0)	.0804	.0288 %	.0395	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0675	.0242 %	.0332	WEIGHT TAKEN
SPLEEN (SP)	.4346	.1559 %	.2136	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0134	.0048 %	.0066	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0187	.0067 %	.0092	WEIGHT TAKEN
UTERUS (UT)	.8268	.2966 %	.4063	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91293 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 278.8 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 10:25 PROSECTOR: TERRI L. WILLIAMS RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91294 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 455.4 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 11:12 PROSECTOR: TERRI L. WILLIAMS RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 4 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION ADRENAL, CORTEX (AC) : -LARGE; LEFT: 5 MM IN DIAMETER (RIGHT IS 4 X 3 X 2 MM) PITUITARY (PI) : -MASS(ES); 8 X 7 X 6 MM, DARK RED, TAN, GRAY, AND SOFT MAMMARY, FEMALE (MF) : -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : >UNREMARKABLE KIDNEY (KD) : -MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-MODERATELY SEVERE, MULTI-FOCAL -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATE, FOCAL -B-ADENOMA,-NEOPLASM PRESENT UTERUS (UT) : -HEMORRHAGE,-MODERATELY SEVERE, FOCAL -M-CARCINOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91294 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 455.4 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 11:12 PROSECTOR: TERRI L. WILLIAMS RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	UTERUS (UT) : -MASS(ES); WITHIN WALL OF RIGHT HORN: SINGLE MASS, 10 MM IN DIAMETER, DARK RED, TAN AND FIRM; ON SECTION EXUDES A DARK RED SEMIFLUID; COLLECTED INTACT; REGIONAL LN (LUMBAR) NORMAL (CAP 20) -SEMISOLID MATERIAL; WITHIN LUMEN OF RIGHT HORN: DARK RED SEMISOLID	
	VAGINA (VA) : -SEMIFLUID MATERIAL; WITHIN LUMEN: DARK RED MATERIAL	VAGINA (VA) : >UNREMARKABLE
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, MANDIBULAR (MN) : -MOTTLED; BILATERAL: DARK RED AND TAN; COLLECTED	LN, MANDIBULAR (MN) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL
	CAVITY, ABDOM (PC) : -MASS(ES); FREE FLOATING WITHIN ABDOMINAL CAVITY: SINGLE MASS, 4 X 3 X 2 MM, YELLOW AND FIRM; COLLECTED; REGIONAL LN (RENAL) NOT IDENTIFIED	CAVITY, ABDOM (PC) : -NECROSIS, FAT,-PRESENT
		LN, LUMBAR/ILIAC (LM) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; LEFT: RED -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91294 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 455.4 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 11:12 PROSECTOR: TERRI L. WILLIAMS RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), LN, MEDIASTINAL (ML), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), ADRENAL, MEDULLA (MA), LUNG (LU)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91295 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 454.2 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 8:00 PROSECTOR: GREGORY CODDINGTON RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-LEFT; WEEK 87; 30 X 30MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 99; 50 X 55MM; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -LIGHT FOCUS(I)/AREA(S); LEFT MEDIAN LOBE: SINGLE TAN AREA, 5 X 3 MM (CAP 20) -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 3 X 2 MM; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL -B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT
		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
		THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT
	PITUITARY (PI) : -MASS(ES); 11 X 8 X 7 MM, RED, DARK RED, TAN, GRAY AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 60 X 35 X 20 MM, RED, DARK RED, TAN, LOBULATED, AND SOFT; SOME SECTIONS EXUDE A TAN CREAMY SEMIFLUID (CAP 21) REGIONAL LN (AXILLARY) NORMAL (CAP 22)	MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATELY SEVERE, MULTI-FOCAL -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91295 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 454.2 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 8:00 PROSECTOR: GREGORY CODDINGTON RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS #2; LEFT INGUINAL REGION: SINGLE MASS, 63 X 50 X 25 MM, RED, DARK RED, TAN, VASCULAR AND FIRM; SAME ON CUT SURFACE; PORTION COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT LN, AXILLARY (AX) : -HEMORRHAGE,-MINIMAL, FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91295 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 454.2 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 8:00 PROSECTOR: GREGORY CODDINGTON RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), LUNG (LU), URINARY BLADDER (UB)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91296 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/13/99 STUDY DAY OF DEATH: 596 STUDY WEEK OF DEATH: 86 TERMINAL BODY WEIGHT: 217.3 GRAMS
DATE AND TIME OF NECROPSY: 09/13/99 15:25 PROSECTOR: DENNIS HOFFMAN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

PITUITARY (PI) :
-MASS(ES); SINGLE MASS, 6 X 6 X 12 MM, FIRM, RED, DARK RED AND TAN

GENERAL COMMENT (GC) :
-STAINS-PERINEUM/PERIANAL; MOIST YELLOW MATERIAL
-BLOOD FILM TAKEN
-DISCHARGE-OCULAR; BILATERAL: DRY RED MATERIAL
-ANIMAL THIN

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
ADRENAL, CORTEX (AC) :
-ANGIECTASIS,-SLIGHT, MULTI-FOCAL
-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
PITUITARY (PI) :
-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
-B-ADENOMA,-NEOPLASM PRESENT
MAMMARY, FEMALE (MF) :
-GALACTOCELE,-SLIGHT, MULTI-FOCAL
-MINERALIZATION,-MINIMAL, MULTI-FOCAL
CAUSE OF DEATH (CD) :
-PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 09/13/99 15:25 PROSECTOR: DENNIS HOFFMAN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91297 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/23/99 STUDY DAY OF DEATH: 636 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/23/99 12:23 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); DORSAL; WEEK 90; 50 X 40; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -NECROSIS, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL KIDNEY (KD) : -MINERALIZATION, TUBULAR,-SLIGHT, FOCAL
	ADRENAL, CORTEX (AC) : -DIFFUSELY RED; RIGHT: DARK RED -SMALL; LEFT: 3 X 2 X 2 MM (RIGHT IS 4 X 3 X 3 MM)	ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-SEVERE, FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -PIGMENT,-MINIMAL, MULTI-FOCAL THYMUS (TH) : -CYST,-PRESENT LUNG (LU) : -MINERALIZATION, VASCULAR,-SLIGHT, FOCAL THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT
	PITUITARY (PI) : -MASS(ES); 10 X 8 X 5 MM, RED, DARK RED, TAN, AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -PIGMENT,-MINIMAL, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 10/23/99 12:23 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
		SKIN (SK) : -M-FIBROSARCOMA,-NEOPLASM PRESENT
	CERVIX (CV) : -LARGE; 10 MM IN DIAMETER -FIRM; DIFFUSE	CERVIX (CV) : >UNREMARKABLE
		CAUSE OF DEATH (CD) : -FIBROSARCOMA,-PRESENT
	SUBCUTANEOUS TIS (SQ) : -MASS(ES); RIGHT DORSAL LUMBAR REGION, EXTENDING TO RIGHT LATERAL ABDOMINAL REGION: SINGLE MASS, 70 X 60 X 40 MM, RED, DARK RED, TAN, SOFT, GELATINOUS, AND FRIABLE; SAME ON CUT SURFACE; ON SECTION, SOME AREAS EXUDED A DARK RED, CLOTTED SEMIFLUID; ANIMAL IDENTIFICATION TRANSPONDER FOUND WITHIN MASS; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	SUBCUTANEOUS TIS (SQ) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL >NOTE:>FIBROSARCOMA ENTERED UNDER SKIN

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 10/23/99 12:23 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91298 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/21/99 STUDY DAY OF DEATH: 512 STUDY WEEK OF DEATH: 74 TERMINAL BODY WEIGHT: 328.7 GRAMS
DATE AND TIME OF NECROPSY: 06/21/99 13:39 PROSECTOR: JAMES T. CALLEN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); AXILLARY REGION-LEFT; WEEK 43; 55 X 55MM; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

ADRENAL, CORTEX (AC) :
-LARGE; LEFT: 7 X 6 X 5 MM (FOR COMPARISON, RIGHT IS 5 X 5 X 3 MM)
-CYST(S); LEFT, DIFFUSE: MULTIPLE RED FLUID FILLED CYSTS, 3 MM IN DIAMETER
OVARY (OV) :
-CYST(S); BILATERAL: MULTIPLE CLEAR FLUID FILLED CYSTS ON EACH, UP TO 2 MM IN DIAMETER

HISTOPATHOLOGY

KIDNEY (KD) :
-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
ADRENAL, CORTEX (AC) :
-ANGIECTASIS,-MODERATE, MULTI-FOCAL
-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
OVARY (OV) :
-CYST,-PRESENT
THYMUS (TH) :
-CYST,-PRESENT
LUNG (LU) :
-FOREIGN BODY,-PRESENT
-INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, FOCAL
-INFLAMMATION, GRANULOMATOUS,-SLIGHT, MULTI-FOCAL
-INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT, MULTI-FOCAL
SKIN (SK) :
-B-FIBROMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91298 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 81 X 55 X 24 MM, TAN, RED, LOBULATED, VASCULAR AND SOFT; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (AXILLARY) NORMAL (CAP 20)	MAMMARY, FEMALE (MF) : -MINERALIZATION,-MINIMAL, MULTI-FOCAL >NOTE:>MAMMARY MASS DESCRIBED GROSSLY WAS A SUBCUTANEOUS FIBROMA
		UTERUS (UT) : -INFLAMMATION, ACUTE,-SLIGHT, FOCAL
		CAUSE OF DEATH (CD) : -FIBROMA,-PRESENT
	LN, MANDIBULAR (MN) : -LARGE; BILATERAL: EACH IS 6 X 3 X 2 MM; COLLECTED	LN, MANDIBULAR (MN) : >UNREMARKABLE
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; BOTH REGIONS: MOIST YELLOW MATERIAL -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL: LOWER INCISORS -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91299 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 216.1 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 10:52 PROSECTOR: GREGORY CODDINGTON RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0346	.0160 %	.0185	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0309	.0143 %	.0165	WEIGHT TAKEN
BRAIN (BR)	1.8673	.8641 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	.9484	.4389 %	.5079	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	.9537	.4413 %	.5107	WEIGHT TAKEN
LIVER (LI)	7.0761	3.2745 %	3.7895	WEIGHT TAKEN
LUNG (LU)	1.0849	.5020 %	.5810	WEIGHT TAKEN
LEFT OVARY (OV0)	.0498	.0230 %	.0267	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0500	.0231 %	.0268	WEIGHT TAKEN
SPLEEN (SP)	.3660	.1694 %	.1960	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0070	.0032 %	.0037	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0094	.0043 %	.0050	WEIGHT TAKEN
UTERUS (UT)	.4825	.2233 %	.2584	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

LIVER (LI) :
-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91299 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91300 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 08/27/99 STUDY DAY OF DEATH: 579 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 08/27/99 9:48 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED		ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MINIMAL, FOCAL -HEMORRHAGE,-MINIMAL, FOCAL
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: NOT OBSERVED		LN, MESENTERIC (MS) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL, MULTI-FOCAL
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		
>RESPIRATION; AUDIBLE; VERIFIED AT NECROPSY: NOT APPLICABLE	LUNG (LU) : -DIFFUSELY RED; ALL LOBES: DARK RED -UNCOLLAPSED; ALL LOBES	LUNG (LU) : >UNREMARKABLE
	PITUITARY (PI) : -MASS(ES); 12 X 10 X 8 MM, DARK RED, RED, TAN AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		RECTUM (RE) : -PARASITISM,-PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT VENTRAL THORACIC REGION: SINGLE MASS, 10 X 10 X 5 MM, BROWN, TAN AND SOFT; SAME ON CUT SURFACE (CAP 20); REGIONAL LN (AXILLARY) NORMAL (CAP 21) -THICKENED; ALL REGIONS, DIFFUSE: TAN; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -GALACTOCELE,-MINIMAL, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-DISCHARGE-OCULAR; BILATERAL: DRY DARK BROWN MATERIAL
-ANIMAL THIN

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91301 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 671.1 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 13:39 PROSECTOR: MICHELE MARGGI RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 99; 30 X 30MM; VERIFIED AT NECROPSY: OBSERVED >MASS(ES); INGUINAL REGION-LEFT; WEEK 105; 20 X 20MM; VERIFIED AT NECROPSY: NOT OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) PITUITARY (PI) : -DARK FOCUS(I)/AREA(S); LEFT ANTERIOR ASPECT: SINGLE DARK BROWN FOCUS, 1 MM IN DIAMETER -LARGE; 6 X 6 X 5 MM; APPEARS SWOLLEN MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 60 X 40 X 30 MM, RED, DARK RED, TAN, VASCULAR, LOBULATED AND FIRM; SOME PORTIONS EXUDE A DARK RED SEMIFLUID MATERIAL; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 20)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT KIDNEY (KD) : -MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL PITUITARY (PI) : -CYST,-PRESENT -B-ADENOMA,-NEOPLASM PRESENT MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATE, MULTI-FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT -M-CARCINOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 01/25/00 13:39 PROSECTOR: MICHELE MARGGI RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS #2; LEFT PERINEAL REGION: SINGLE MASS, 40 X 30 X 15 MM, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (LUMBAR) NORMAL (CAP 21); POSSIBLY CONSISTENT WITH THE MASS (INGUINAL- LEFT) NOTED IN THE CLINICAL OBSERVATIONS -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 01/25/00 13:39 PROSECTOR: MICHELE MARGGI RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LIVER (LI), PANCREAS (PA), THYROID (TY), URINARY BLADDER (UB), LN, LUMBAR/ILIAC (LM), LN, AXILLARY (AX)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91302 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/13/99 STUDY DAY OF DEATH: 504 STUDY WEEK OF DEATH: 72 TERMINAL BODY WEIGHT: 218.6 GRAMS
DATE AND TIME OF NECROPSY: 06/13/99 14:05 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE	KIDNEY (KD) :	-DILATATION, VENTRICULAR,-PRESENT
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE	-LARGE PELVIS(ES); LEFT	KIDNEY (KD) :
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		-DILATATION, PELVIC,-PRESENT
>SKIN & PELAGE; COLD TO TOUCH; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE		-MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		SPLEEN (SP) :
		-PIGMENT, INCREASED,-MINIMAL, MULTI-FOCAL
		ADRENAL, CORTEX (AC) :
		-DEGENERATION, CYSTIC, CORTICAL,-SEVERE, FOCAL
		-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); SINGLE MASS, 15 X 10 X 9 MM, RED, DARK RED, TAN AND FIRM	-HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) :	MAMMARY, FEMALE (MF) :
	-THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	-B-FIBROADENOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) :
		-PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91302 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/13/99 STUDY DAY OF DEATH: 504 STUDY WEEK OF DEATH: 72 TERMINAL BODY WEIGHT: 218.6 GRAMS
DATE AND TIME OF NECROPSY: 06/13/99 14:05 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LN, MEDIASTINAL (ML) : -INFILTRATE, MACROPHAGE, PIGMENTED,- SLIGHT, MULTI-FOCAL >NOTE:>MEDIASTINAL LYMPH NODE WAS PRESENT ON THYMUS SLIDE
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; YELLOW MOIST MATERIAL -BLOOD FILM TAKEN -ANIMAL THIN GENERAL INFORMATION (XX) : >NOTE:>ANIMAL IDENTIFICATION TRANSPONDER DAMAGED AT NECROPSY	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91302 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/13/99 STUDY DAY OF DEATH: 504 STUDY WEEK OF DEATH: 72 TERMINAL BODY WEIGHT: 218.6 GRAMS
DATE AND TIME OF NECROPSY: 06/13/99 14:05 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91303 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 589.9 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 10:53 PROSECTOR: NANCY DIEDRICH RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 100; 10 X 10MM; VERIFIED AT NECROPSY: NOT OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 105; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -MOTTLED; ALL LOBES: RED AND TAN -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 5 X 3 MM; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, CLEAR CELL,-MODERATE, FOCAL -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-SEVERE, FOCAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL, FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL
	PITUITARY (PI) : -MASS(ES); 10 X 8 X 8 MM, DARK RED AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL -HYPERPLASIA, GLANDULAR,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91303 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
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DATE AND TIME OF NECROPSY: 01/25/00 10:53 PROSECTOR: NANCY DIEDRICH RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 15 MM IN DIAMETER, TAN AND FIRM; SAME ON CUT SURFACE (CAP 20); REGIONAL LN (AXILLARY) NORMAL (CAP 21) -MASS #2; RIGHT INGUINAL REGION: SINGLE MASS, 25 X 20 X 15 MM, RED, DARK RED, TAN, FIRM AND LOBULATED; SAME ON CUT SURFACE; REGIONAL LN (INGUINAL) NORMAL (CAP 22) -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM (CAP 23)	MAMMARY, FEMALE (MF) : -B-ADENOMA,-NEOPLASM PRESENT -M-CARCINOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -GI TRACT-DARK FLUID CONTENT; STOMACH, DUODENUM AND JEJUNUM: DARK BROWN SEMIFLUID MATERIAL -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91303 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 589.9 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 10:53 PROSECTOR: NANCY DIEDRICH RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), THYROID (TY), URINARY BLADDER (UB), LN, AXILLARY (AX), LN, INGUINAL (IN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91304 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 300.8 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 10:23 PROSECTOR: GREGORY CODDINGTON RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0421	.0140 %	.0197	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0424	.0141 %	.0198	WEIGHT TAKEN
BRAIN (BR)	2.1378	.7107 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.2554	.4174 %	.5872	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.2507	.4158 %	.5850	WEIGHT TAKEN
LIVER (LI)	10.4193	3.4639 %	4.8738	WEIGHT TAKEN
LUNG (LU)	1.2114	.4027 %	.5667	WEIGHT TAKEN
LEFT OVARY (OV0)	.0627	.0208 %	.0293	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0679	.0226 %	.0318	WEIGHT TAKEN
SPLEEN (SP)	.4924	.1637 %	.2303	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0094	.0031 %	.0044	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0130	.0043 %	.0061	WEIGHT TAKEN
UTERUS (UT)	.6986	.2322 %	.3268	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>SKIN & PELAGE; SORE/SCAB; VENTRAL-CERVICAL-LEFT; VERIFIED AT NECROPSY: NOT OBSERVED

>SKIN & PELAGE; SORE/SCAB; VENTRAL-CERVICAL-RIGHT; VERIFIED AT NECROPSY: NOT OBSERVED

NECROPSY

SKIN (SK) :
-ALOPECIA-FOCAL; CERVICAL REGION: TWO AREAS, ONE IS 25 X 21 MM AND THE OTHER IS 15 X 10 MM (CAP 20)

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

LIVER (LI) :
-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL

SKIN (SK) :
>NOT REQUIRED TO BE EXAMINED FOR ANIMAL

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91304 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 300.8 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 10:23 PROSECTOR: GREGORY CODDINGTON RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91305 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/21/99 STUDY DAY OF DEATH: 604 STUDY WEEK OF DEATH: 87 TERMINAL BODY WEIGHT: 557.0 GRAMS
DATE AND TIME OF NECROPSY: 09/21/99 10:24 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; PARALYSIS; LIMBS-HIND; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MINIMAL, MULTI-FOCAL -DEGENERATION, CYSTIC, CORTICAL,-SLIGHT, FOCAL -HEMORRHAGE,-MINIMAL, MULTI-FOCAL
	OVARY (OV) : -CYST(S); LEFT: SINGLE CLEAR FLUID FILLED CYST, 4 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT THYMUS (TH) : -CYST,-PRESENT
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 4 X 5 X 9 MM, FIRM, LOBULATED, RED, DARK RED AND TAN	PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91305 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/21/99 STUDY DAY OF DEATH: 604 STUDY WEEK OF DEATH: 87 TERMINAL BODY WEIGHT: 557.0 GRAMS
DATE AND TIME OF NECROPSY: 09/21/99 10:24 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 12 X 14 X 21 MM, FIRM, RED, TAN AND LOBULATED; SAME ON CUT SURFACE (CAP 21); REGIONAL LN (INGUINAL) NOT IDENTIFIED	
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; MOIST YELLOW MATERIAL -BLOOD FILM TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91305 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/21/99 STUDY DAY OF DEATH: 604 STUDY WEEK OF DEATH: 87 TERMINAL BODY WEIGHT: 557.0 GRAMS
DATE AND TIME OF NECROPSY: 09/21/99 10:24 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91306 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/10/00 STUDY DAY OF DEATH: 715 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 455.0 GRAMS
DATE AND TIME OF NECROPSY: 01/10/00 13:17 PROSECTOR: WENDY CHERRY RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: AS ASSIGNED

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-LEFT; WEEK 74; 60 X 50MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 85; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	>UNREMARKABLE
>MASS(ES); INGUINAL REGION-RIGHT; WEEK 92; 35 X 25MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) :
>MASS(ES); INGUINAL REGION-LEFT; WEEK 93; 20 X 20MM; VERIFIED AT NECROPSY: OBSERVED		-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
		KIDNEY (KD) :
		-CAST, PROTEINACEOUS,-MINIMAL, FOCAL
		-MINERALIZATION, PELVIC,-MINIMAL, FOCAL
		ADRENAL, CORTEX (AC) :
		-ANGIECTASIS,-MINIMAL, MULTI-FOCAL
		-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
		ADRENAL, MEDULLA (MA) :
		-B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT
	OVARY (OV) :	OVARY (OV) :
	-CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 5 MM IN DIAMETER	>UNREMARKABLE
		LUNG (LU) :
		-INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT, MULTI-FOCAL
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 8 X 7 X 5 MM, BROWN, TAN AND SOFT	-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
		SKIN (SK) :
		-EDEMA,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91306 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/10/00 STUDY DAY OF DEATH: 715 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 455.0 GRAMS
DATE AND TIME OF NECROPSY: 01/10/00 13:17 PROSECTOR: WENDY CHERRY RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: AS ASSIGNED

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		SKIN (SK) : -INFLAMMATION, CHRONIC,-MODERATE, MULTI-FOCAL
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 17 X 15 X 15 MM, DARK RED, BROWN, TAN AND SOFT; SAME ON CUT SURFACE; (CAP 21); REGIONAL LN (SEE AXILLARY) -MASS #2; LEFT AXILLARY REGION: SINGLE MASS, 90 X 70 X 40 MM, DARK RED, TAN, LOBULATED AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (SEE AXILLARY); OVERLYING SKIN HAS A SINGLE DARK RED CRUSTED AREA, 40 X 30 MM, COLLECTED INTACT -MASS #3; RIGHT INGUINAL REGION: SINGLE MASS, 20 X 17 X 17 MM, DARK RED, BROWN AND SOFT; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NORMAL (CAP 26) -MASS #4; LEFT INGUINAL REGION: SINGLE MASS, 45 X 40 X 30 MM, TAN, BROWN, AND FIRM; CUT SURFACE CONTAINS A BROWN FLUID; COLLECTED; REGIONAL LN (INGUINAL) NORMAL (CAP 26)	MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATELY SEVERE, MULTI-FOCAL -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MODERATE, MULTI-FOCAL -NECROSIS,-MODERATELY SEVERE, MULTI-FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT -M-CARCINOMA,- 3 NEOPLASMS PRESENT
	UTERUS (UT) : -THICKENED WALL; BILATERAL, DIFFUSE	UTERUS (UT) : >UNREMARKABLE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91306 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/10/00 STUDY DAY OF DEATH: 715 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 455.0 GRAMS
DATE AND TIME OF NECROPSY: 01/10/00 13:17 PROSECTOR: WENDY CHERRY RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: AS ASSIGNED

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAUSE OF DEATH (CD) : -MAMMARY CARCINOMA,-PRESENT
	LN, AXILLARY (AX) : -LARGE; LEFT: UP TO 15 X 10 X 5 MM (RIGHT IS UP TO 9 X 5 X 3 MM) (CAP 22) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	LN, AXILLARY (AX) : -INFILTRATE, MACROPHAGE, PIGMENTED,- MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91306 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/10/00 STUDY DAY OF DEATH: 715 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 455.0 GRAMS
DATE AND TIME OF NECROPSY: 01/10/00 13:17 PROSECTOR: WENDY CHERRY RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: AS ASSIGNED

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN), LN, INGUINAL (IN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91307 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 394.3 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 10:15 PROSECTOR: TONY HANFELD RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LN, MESENTERIC (MS) : -DIFFUSELY RED; DARK RED PITUITARY (PI) : -MASS(ES); 9 X 7 X 6 MM, RED, DARK RED, TAN AND SOFT GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, FOCAL LN, MESENTERIC (MS) : >UNREMARKABLE LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT MAMMARY, FEMALE (MF) : -GALACTOCELE,-MINIMAL, MULTI-FOCAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91307 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 394.3 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 10:15 PROSECTOR: TONY HANFELD RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LIVER (LI), PANCREAS (PA), THYROID (TY), URINARY BLADDER (UB)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91308 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/20/99 STUDY DAY OF DEATH: 480 STUDY WEEK OF DEATH: 69 TERMINAL BODY WEIGHT: 319.3 GRAMS
DATE AND TIME OF NECROPSY: 05/20/99 8:51 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE >BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT -HEMORRHAGE,-MODERATE, FOCAL LIVER (LI) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL
	LN, MESENTERIC (MS) : -MOTTLED; GREEN AND TAN	LN, MESENTERIC (MS) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL, MULTI-FOCAL OVARY (OV) : -CYST,-PRESENT THYMUS (TH) : -CYST,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91308 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/20/99 STUDY DAY OF DEATH: 480 STUDY WEEK OF DEATH: 69 TERMINAL BODY WEIGHT: 319.3 GRAMS
DATE AND TIME OF NECROPSY: 05/20/99 8:51 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 17 X 10 X 8 MM, DARK RED, GRAY, AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -PIGMENT,-MINIMAL, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91308 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/20/99 STUDY DAY OF DEATH: 480 STUDY WEEK OF DEATH: 69 TERMINAL BODY WEIGHT: 319.3 GRAMS
DATE AND TIME OF NECROPSY: 05/20/99 8:51 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91309 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/04/99 STUDY DAY OF DEATH: 464 STUDY WEEK OF DEATH: 67 TERMINAL BODY WEIGHT: 466.4 GRAMS
DATE AND TIME OF NECROPSY: 05/04/99 14:35 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 57; 40 X 45MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL -MINERALIZATION, TUBULAR,-MINIMAL, MULTI-FOCAL
>MASS(ES); VENTRAL-CERVICAL; WEEK 62; 30 X 30MM; VERIFIED AT NECROPSY: OBSERVED	SPLEEN (SP) : -LARGE; 60 X 15 X 10 MM	SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE, MULTI-FOCAL
>SKIN & PELAGE; SORE/SCAB; VENTRAL-ABDOMINAL-LEFT; VERIFIED AT NECROPSY: OBSERVED		ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-SLIGHT, FOCAL OVARY (OV) : -CYST,-PRESENT THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -DARK FOCUS(I)/AREA(S); LEFT POSTERIOR ASPECT: SINGLE DARK GREY FOCUS, 1 MM IN DIAMETER -LARGE; 5 X 5 X 3 MM, APPEARS SWOLLEN	PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) : -GALACTOCELE,-SEVERE, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91309 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/04/99 STUDY DAY OF DEATH: 464 STUDY WEEK OF DEATH: 67 TERMINAL BODY WEIGHT: 466.4 GRAMS
DATE AND TIME OF NECROPSY: 05/04/99 14:35 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 45 X 40 X 25 MM, RED, DARK RED, TAN, SOFT AND LOBULATED; ON SECTION EXUDED A BROWN AND TAN CASEOUS SEMISOLID MATERIAL (COLLECTED); OVERLYING SKIN HAS MULTIPLE ULCERATED AREAS, UP TO 20 MM IN DIAMETER (COLLECTED INTACT WITH MASS); REGIONAL LN (INGUINAL) NORMAL (CAP 20) -CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE TAN CREAMY SEMIFLUID FILLED CYSTS, UP TO 15 MM IN DIAMETER (CAP 21) -MASS #2; LEFT SHOULDER REGION: SINGLE MASS, 50 X 20 X 15 MM, RED, TAN, FIRM AND LOBULATED; SAME ON CUT SURFACE (COLLECTED); REGIONAL LN (SEE AXILLARY)	MAMMARY, FEMALE (MF) : -INFLAMMATION, ACUTE,-MODERATE, MULTI-FOCAL -NECROSIS,-SLIGHT, MULTI-FOCAL -PIGMENT,-SLIGHT, MULTI-FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT -M-CARCINOMA,-NEOPLASM PRESENT
	UTERUS (UT) : -CYST(S); BILATERAL, WITHIN WALLS: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 8 X 5 X 5 MM	UTERUS (UT) : -DILATATION,-MODERATELY SEVERE, DIFFUSE
		CAUSE OF DEATH (CD) : -MAMMARY CARCINOMA,-PRESENT
	LN, AXILLARY (AX) : -LARGE; LEFT: UP TO 15 X 8 X 3 MM (FOR COMPARISON, RIGHT IS UP TO 5 X 3 X 1 MM) (CAP 22)	LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOCYTIC,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91309 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/04/99 STUDY DAY OF DEATH: 464 STUDY WEEK OF DEATH: 67 TERMINAL BODY WEIGHT: 466.4 GRAMS
DATE AND TIME OF NECROPSY: 05/04/99 14:35 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LN, INGUINAL (IN) : -HYPERPLASIA, LYMPHOCYTIC,-SLIGHT, MULTI-FOCAL

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91310 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 500.6 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 9:43 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-LEFT; WEEK 71; 80 X 95MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -NECROSIS, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL PANCREAS (PA) : -ATROPHY, ACINAR,-SLIGHT, MULTI-FOCAL LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL, MULTI-FOCAL
	PITUITARY (PI) : -LARGE; 6 X 6 X 3 MM, APPEARS SWOLLEN MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 100 X 75 X 30 MM, RED, DARK RED, TAN, LOBULATED, AND VASCULAR; SAME ON CUT SURFACE; PORTION COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 20)	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT MAMMARY, FEMALE (MF) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -HYPERPLASIA, GLANDULAR,-MODERATE, MULTI-FOCAL -NECROSIS,-MODERATE, MULTI-FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT LN, AXILLARY (AX) : >TISSUE MISSING

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91310 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 500.6 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 9:43 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
THYROID (TY), URINARY BLADDER (UB)

COVANCE
THE DEVELOPMENT SERVICES COMPANY

Sponsor:

3M
St. Paul, Minnesota

FINAL REPORT

Study Title:

104-Week Dietary Carcinogenicity Study with Narrow Range (98.1%) N-Ethyl Perfluorooctanesulfonamido Ethanol in Rats

Author:

Peter J. Thomford, PhD

Study Completion Date:

December 13, 2001

Testing Facility:

Covance Laboratories Inc.
3301 Kinsman Boulevard
Madison, Wisconsin 53704-2595

Laboratory Study Identification:

Covance 6329-212

Sponsor Study Identification:

3M T-6316.1

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APPENDIX 6 (Continued)

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91311 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/14/99 STUDY DAY OF DEATH: 444 STUDY WEEK OF DEATH: 64 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/14/99 10:30 PROSECTOR: STEVE VAN ADESTINE RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -LIGHT FOCUS(I)/AREA(S); DIAPHRAGMATIC SURFACE OF LEFT LATERAL LOBE: SINGLE TAN AREA, 3 X 2 MM; COLLECTED ON ROUTINE SECTION -MOTTLED; ALL LOBES: DARK BROWN AND TAN	LIVER (LI) : -NECROSIS, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL
		PANCREAS (PA) : -ATROPHY, ACINAR,-MINIMAL, FOCAL
	OVARY (OV) : -CYST(S); BILATERAL: SINGLE CLEAR FLUID FILLED CYST ON EACH, LEFT IS 9 MM IN DIAMETER, RIGHT IS 4 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT
	PITUITARY (PI) : -DARK FOCUS(I)/AREA(S); MID ASPECT: SINGLE DARK BROWN FOCUS, 1 MM IN DIAMETER	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN, PINPOINT FOCI	STOMACH, GL (ST) : >UNREMARKABLE
	UTERUS (UT) : -LUMEN FILLED WITH FLUID; BILATERAL: DARK RED FLUID	UTERUS (UT) : -DILATATION,-SEVERE, DIFFUSE -HEMORRHAGE,-MODERATELY SEVERE, DIFFUSE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91311 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/14/99 STUDY DAY OF DEATH: 444 STUDY WEEK OF DEATH: 64 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/14/99 10:30 PROSECTOR: STEVE VAN ADESTINE RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	UTERUS (UT) : -LARGE, DIFFUSE; BILATERAL: EACH IS UP TO 15 MM IN DIAMETER	
		CAUSE OF DEATH (CD) : -UTERINE HEMORRHAGE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91311 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/14/99 STUDY DAY OF DEATH: 444 STUDY WEEK OF DEATH: 64 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/14/99 10:30 PROSECTOR: STEVE VAN ADESTINE RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91312 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/01/99 STUDY DAY OF DEATH: 675 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 200.1 GRAMS
DATE AND TIME OF NECROPSY: 12/01/99 13:47 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED >DISCHARGE; GENITAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT LIVER (LI) : -HYPERPLASIA, BILE DUCT,-MINIMAL, FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL -VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL PANCREAS (PA) : -ATROPHY, ACINAR,-MODERATE, FOCAL ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-MODERATE, MULTI-FOCAL -HEMORRHAGE,-MINIMAL, MULTI-FOCAL LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT, MULTI-FOCAL
	PITUITARY (PI) : -MASS(ES); 8 X 6 X 6 MM, RED, DARK RED, GREY AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-SLIGHT, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91312 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/01/99 STUDY DAY OF DEATH: 675 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 200.1 GRAMS
DATE AND TIME OF NECROPSY: 12/01/99 13:47 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		SALIV GL, MANDIB (SG) : >TISSUE MISSING STOMACH, GL (ST) : -EDEMA,-MODERATE, FOCAL MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL
	UTERUS (UT) : -LUMEN FILLED WITH FLUID; BILATERAL: CLEAR FLUID GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; YELLOW AND RED -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: RED -ANIMAL THIN	UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-MINIMAL, MULTI-FOCAL CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91312 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/01/99 STUDY DAY OF DEATH: 675 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 200.1 GRAMS
DATE AND TIME OF NECROPSY: 12/01/99 13:47 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), KIDNEY (KD), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91313 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/25/99 STUDY DAY OF DEATH: 608 STUDY WEEK OF DEATH: 87 TERMINAL BODY WEIGHT: 357.8 GRAMS
DATE AND TIME OF NECROPSY: 09/25/99 8:40 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 71; 40 X 40MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); AXILLARY REGION-LEFT; WEEK 74; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; RED HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: NOT OBSERVED
>SKIN & PELAGE; RED HAIR COAT; VENTRAL-THORACIC; VERIFIED AT NECROPSY: NOT OBSERVED
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 85; 25 X 30MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); VENTRAL-ABDOMINAL; WEEK 85; 45 X 45MM; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

PITUITARY (PI) :
-MASS(ES); SINGLE MASS, 7 X 8 X 13 MM, FIRM, RED, DARK RED AND TAN

MAMMARY, FEMALE (MF) :
-MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 6 X 9 X 13 MM, FIRM, RED, TAN AND LOBULATED; SAME ON CUT SURFACE (CAP 21); REGIONAL LN (AXILLARY) NORMAL (CAP 22)

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
KIDNEY (KD) :
-CAST, PROTEINACEOUS,-SLIGHT, MULTI-FOCAL
-MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL
ADRENAL, CORTEX (AC) :
-ANGIECTASIS,-MINIMAL, MULTI-FOCAL
-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
LN, MESENTERIC (MS) :
-DILATATION, SINUSOIDAL,-SLIGHT, MULTI-FOCAL
THYMUS (TH) :
-M-THYMIC CARCINOMA,-NEOPLASM PRESENT
PITUITARY (PI) :
-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
-PIGMENT,-MINIMAL, MULTI-FOCAL
-B-ADENOMA,-NEOPLASM PRESENT
MAMMARY, FEMALE (MF) :
-HEMORRHAGE,-MODERATE, MULTI-FOCAL
-B-FIBROADENOMA,- 4 NEOPLASMS PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91313 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/25/99 STUDY DAY OF DEATH: 608 STUDY WEEK OF DEATH: 87 TERMINAL BODY WEIGHT: 357.8 GRAMS
DATE AND TIME OF NECROPSY: 09/25/99 8:40 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS #2; RIGHT AXILLARY REGION: SINGLE MASS, 13 X 15 X 30 MM, FIRM, RED, DARK BROWN, TAN AND LOBULATED; ON SECTION EXUDES A DARK BROWN SEMIFLUID (CAP 23); REGIONAL LN (AXILLARY) NORMAL (CAP 22) -MASS #3; LEFT INGUINAL REGION: SINGLE MASS, 20 X 36 X 45 MM, FIRM, RED, DARK RED, TAN, BROWN AND LOBULATED; ON SECTION EXUDES A BROWN FLUID (CAP 24); REGIONAL LN (INGUINAL) NOT IDENTIFIED -MASS #4; LEFT PERIANAL REGION: SINGLE MASS, 25 X 45 X 55 MM, FIRM, RED, DARK RED, TAN AND LOBULATED; SAME ON CUT SURFACE (CAP 25); REGIONAL LN (INGUINAL) NOT IDENTIFIED	
		CAUSE OF DEATH (CD) : -THYMIC CARCINOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91313 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/25/99 STUDY DAY OF DEATH: 608 STUDY WEEK OF DEATH: 87 TERMINAL BODY WEIGHT: 357.8 GRAMS
DATE AND TIME OF NECROPSY: 09/25/99 8:40 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91314 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/21/99 STUDY DAY OF DEATH: 512 STUDY WEEK OF DEATH: 74 TERMINAL BODY WEIGHT: 314.2 GRAMS
DATE AND TIME OF NECROPSY: 06/21/99 13:33 PROSECTOR: DENNIS HOFFMAN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-CERVICAL-RIGHT; WEEK 61; 35 X 35MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		
>SKIN & PELAGE; RED HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED		ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MINIMAL, MULTI-FOCAL -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -VACUOLATION,-MINIMAL, FOCAL
	OVARY (OV) : -CYST(S); BILATERAL: SINGLE CLEAR FLUID FILLED CYST ON EACH, EACH IS 6 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT
		LUNG (LU) : -THROMBUS,-MODERATE, MULTI-FOCAL
		THYROID (TY) : -CYST, FOLLICULAR,-MODERATE, MULTI-FOCAL
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 13 X 7 X 6 MM, RED, DARK RED, TAN AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91314 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/21/99 STUDY DAY OF DEATH: 512 STUDY WEEK OF DEATH: 74 TERMINAL BODY WEIGHT: 314.2 GRAMS
DATE AND TIME OF NECROPSY: 06/21/99 13:33 PROSECTOR: DENNIS HOFFMAN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT CERVICAL REGION, EXTENDS TO RIGHT AXILLARY REGION: SINGLE MASS, 58 X 37 X 26 MM, RED, DARK RED, TAN, BROWN, FIRM AND LOBULATED; ON SECTION, SOME AREAS EXUDE A DARK BROWN FLUID; COLLECTED; REGIONAL LN (MANDIBULAR) NORMAL (CAP 20)	MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATE, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL -PIGMENT,-MINIMAL, MULTI-FOCAL -M-CARCINOMA,-NEOPLASM PRESENT
	CERVIX (CV) : -LARGE; 8 X 6 X 5 MM	CERVIX (CV) : >UNREMARKABLE
		CAUSE OF DEATH (CD) : -MAMMARY CARCINOMA,-PRESENT
		LN, MEDIASTINAL (ML) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL, MULTI-FOCAL >NOTE:>MEDIASTINAL LYMPH NODE WAS PRESENT ON THYMUS SLIDE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL: UPPER INCISORS -STAINS - SKIN/HAIRCOAT; ENTIRE VENTRAL SURFACE: DRY RED MATERIAL -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91314 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/21/99 STUDY DAY OF DEATH: 512 STUDY WEEK OF DEATH: 74 TERMINAL BODY WEIGHT: 314.2 GRAMS
DATE AND TIME OF NECROPSY: 06/21/99 13:33 PROSECTOR: DENNIS HOFFMAN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91315 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 477.7 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 11:01 PROSECTOR: GREGORY CODDINGTON RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); DORSAL; WEEK 99; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED >MASS(ES); DORSAL; WEEK 103; 50 X 40MM SIDE RIGHT; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -LIGHT FOCUS(I)/AREA(S); LEFT LATERAL AND RIGHT MEDIAN LOBES: MULTIPLE TAN AREAS, UP TO 6 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS -MASS(ES); PAPILLARY PROCESS: SINGLE MASS, 15 X 12 X 8 MM, RED, DARK RED, TAN AND SOFT; SAME ON CUT SURFACE (CAP 20); REGIONAL LN (HEPATIC) NOT IDENTIFIED -RED FOCUS(I)/AREA(S); LEFT LATERAL LOBE: MULTIPLE DARK RED AREAS, UP TO 3 X 2 MM; COLLECTED ON ROUTINE SECTIONS -MASS #2; RIGHT LATERAL LOBE: SINGLE MASS, 15 X 15 X 7 MM, RED, TAN AND FIRM; SAME ON CUT SURFACE (CAP 21); REGIONAL LN (HEPATIC) NOT IDENTIFIED	LIVER (LI) : -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL -VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL -B-ADENOMA, HEPATOCELLULAR,- 2 NEOPLASMS PRESENT KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-MODERATE, FOCAL -HEMORRHAGE,-MODERATE, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91315 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 477.7 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 11:01 PROSECTOR: GREGORY CODDINGTON RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -THROMBUS,-MODERATE, FOCAL THYMUS (TH) : -CYST,-PRESENT
	SKIN (SK) : -MASS(ES); DORSAL LUMBAR REGION: SINGLE MASS, 15 X 15 X 8 MM, TAN AND FIRM; SAME ON CUT SURFACE (CAP 23); ANIMAL IDENTIFICATION TRANSPONDER FOUND WITHIN MASS; REGIONAL LN (SEE INGUINAL)	SKIN (SK) : -FIBROSIS,-MODERATELY SEVERE, FOCAL -INFLAMMATION, ACUTE,-MODERATELY SEVERE, FOCAL -ULCERATION,-SEVERE, FOCAL
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 70 X 60 X 30 MM, RED, DARK RED, TAN, VASCULAR, LOBULATED AND FIRM; SAME ON CUT SURFACE; PORTION COLLECTED; REGIONAL LN (SEE INGUINAL)	MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT
	CERVIX (CV) : -LIGHT FOCUS(I)/AREA(S); TRIMMING COMMENT: WITHIN LUMEN: SINGLE TAN AREA, 3 X 3 X 2 MM; TRIMMED ON ROUTINE SECTION	CERVIX (CV) : -DILATATION,-MODERATE, FOCAL -B-LEIOMYOMA,-NEOPLASM PRESENT
		UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-MODERATE, FOCAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT LN, MANDIBULAR (MN) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91315 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 477.7 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 11:01 PROSECTOR: GREGORY CODDINGTON RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: DARK RED; COLLECTED	
	LN, INGUINAL (IN) : -DIFFUSELY DARK; LEFT: BROWN (RIGHT IS NORMAL) (CAP 22)	LN, INGUINAL (IN) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT, MULTI-FOCAL
	PINNA (PN) : -RED FOCUS(I)/AREA(S); BILATERAL, DIFFUSE: MULTIPLE DARK RED AREAS, UP TO 5 X 2 MM; COLLECTED	PINNA (PN) : -HEMORRHAGE,-SLIGHT, FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91315 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 477.7 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 11:01 PROSECTOR: GREGORY CODDINGTON RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), VAGINA (VA), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91316 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 193.3 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 10:30 PROSECTOR: TODD ACKER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	6.6687	3.4499 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LEFT OVARY (OV0)	--------	--------	--------	NOT TAKEN
RIGHT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT THYROID/PAR (TT0)	--------	--------	--------	NOT TAKEN
RIGHT THYROID/PR (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91316 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 193.3 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 10:30 PROSECTOR: TODD ACKER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91317 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 212.7 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 9:57 PROSECTOR: TODD ACKER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	7.3592	3.4599 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LEFT OVARY (OV0)	--------	--------	--------	NOT TAKEN
RIGHT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT THYROID/PAR (TT0)	--------	--------	--------	NOT TAKEN
RIGHT THYROID/PR (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91317 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 212.7 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 9:57 PROSECTOR: TODD ACKER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91318 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (A)
DATE OF DEATH: 05/07/98 STUDY DAY OF DEATH: 102 STUDY WEEK OF DEATH: 15 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 05/07/98 14:41 PROSECTOR: STEVE VAN ADESTINE RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -LACERATION; DIFFUSE: MULTIPLE LACERATIONS; TISSUE IS DARK RED, GELATINOUS AND AMORPHIC LUNG (LU) : -MOTTLED; ALL LOBES: RED AND DARK RED -UNCOLLAPSED; ALL LOBES PITUITARY (PI) : -MISSING/NOT IDENTIFIED; NOT IDENTIFIED DUE TO DIFFUSE FRACTURES OF CALVARIUM HARDERIAN GLAND (HG) : >NOTE:>TRIM COMMENT: NOT FOUND AT TIME OF TRIM CALVARIUM/SKULL (CA) : -FRACTURE(S); DIFFUSE: MULTIPLE FRACTURES; COLLECTED INTACT GENERAL COMMENT (GC) : -DISCHARGE-ORAL; DARK RED FLUID -DISCHARGE-NASAL; DARK RED FLUID	BRAIN (BR) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL KIDNEY (KD) : -INFLAMMATION, CHRONIC,-MINIMAL, FOCAL LUNG (LU) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL PITUITARY (PI) : >TISSUE MISSING HARDERIAN GLAND (HG) : >TISSUE MISSING CAUSE OF DEATH (CD) : -FRACTURE, CALVARIUM,-PRESENT CALVARIUM/SKULL (CA) : -FRACTURE,-PRESENT -HEMORRHAGE,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91318 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (A)
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DATE AND TIME OF NECROPSY: 05/07/98 14:41 PROSECTOR: STEVE VAN ADESTINE RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -STAINS - SKIN/HAIRCOAT; HEAD: DARK RED, MOIST MATERIAL -TRACHEA-CONTENT FOAMY MATTER; DARK RED, FOAMY MATERIAL	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91318 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (A)
DATE OF DEATH: 05/07/98 STUDY DAY OF DEATH: 102 STUDY WEEK OF DEATH: 15 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 05/07/98 14:41 PROSECTOR: STEVE VAN ADESTINE RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91319 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/26/99 STUDY DAY OF DEATH: 486 STUDY WEEK OF DEATH: 70 TERMINAL BODY WEIGHT: 274.1 GRAMS
DATE AND TIME OF NECROPSY: 05/26/99 14:11 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>BEHAVIOR; RECUMBENT; LATERAL; VERIFIED AT NECROPSY: NOT APPLICABLE
>DISCHARGE; ORAL; CLEAR; VERIFIED AT NECROPSY: OBSERVED
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED
>RESPIRATION; IRREGULAR; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

OVARY (OV) :
-CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 3 MM IN DIAMETER

PITUITARY (PI) :
-MASS(ES); 10 X 9 X 8 MM, RED, DARK RED, GREY, LOBULATED AND SOFT

GENERAL COMMENT (GC) :
-DISCHARGE-ORAL; MOIST, CLEAR MATERIAL
-BLOOD FILM TAKEN
-DISCHARGE-OCULAR; BILATERAL: DRY, RED MATERIAL

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
-DILATATION, VENTRICULAR,-PRESENT

KIDNEY (KD) :
-CAST, PROTEINACEOUS,-SLIGHT, FOCAL
-MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL

OVARY (OV) :
-CYST,-PRESENT

PITUITARY (PI) :
-HEMORRHAGE,-MODERATE, MULTI-FOCAL
-B-ADENOMA,-NEOPLASM PRESENT

MAMMARY, FEMALE (MF) :
-GALACTOCELE,-MODERATE, MULTI-FOCAL
-MINERALIZATION,-MINIMAL, MULTI-FOCAL

URINARY BLADDER (UB) :
-INFLAMMATION, CHRONIC,-MINIMAL, FOCAL

CAUSE OF DEATH (CD) :
-PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91319 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/26/99 STUDY DAY OF DEATH: 486 STUDY WEEK OF DEATH: 70 TERMINAL BODY WEIGHT: 274.1 GRAMS
DATE AND TIME OF NECROPSY: 05/26/99 14:11 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91320 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/26/99 STUDY DAY OF DEATH: 547 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 314.7 GRAMS
DATE AND TIME OF NECROPSY: 07/26/99 13:30 PROSECTOR: JILL PAUS RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
		-DILATATION, VENTRICULAR,-PRESENT
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) :	LIVER (LI) :
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED	-LIGHT FOCUS(I)/AREA(S); RIGHT MEDIAN LOBE: SINGLE TAN AREA, 9 X 2 MM; COLLECTED ON ROUTINE SECTION	-VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE	-MOTTLED; ALL LOBES, DIFFUSE: BROWN AND TAN	
	KIDNEY (KD) :	KIDNEY (KD) :
	-DIFFUSELY DARK; BILATERAL: DARK BROWN	-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
		-MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
	ADRENAL, CORTEX (AC) :	ADRENAL, CORTEX (AC) :
	-LIGHT FOCUS(I)/AREA(S); BILATERAL: MULTIPLE TAN, PINPOINT FOCI	>UNREMARKABLE
	-DIFFUSELY DARK; BILATERAL: BROWN	
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); SINGLE MASS, 8 X 6 X 5 MM, RED, DARK RED, TAN, SOFT AND LOBULATED	-HEMORRHAGE,-MODERATE, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) :	STOMACH, GL (ST) :
	-DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN AREAS, UP TO 2 X 1 MM	>UNREMARKABLE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 07/26/99 13:30 PROSECTOR: JILL PAUS RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-STAINS-PERINEUM/PERIANAL; MOIST
YELLOW MATERIAL
-BLOOD FILM TAKEN
-DISCHARGE-OCULAR; BILATERAL: DRY RED
MATERIAL

HISTOPATHOLOGY

MAMMARY, FEMALE (MF) :
-GALACTOCELE,-SLIGHT, MULTI-FOCAL
CAUSE OF DEATH (CD) :
-PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91321 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/10/99 STUDY DAY OF DEATH: 654 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 406.7 GRAMS
DATE AND TIME OF NECROPSY: 11/10/99 14:59 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); DORSAL; WEEK 90; 20 X 20MM; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; SORE/SCAB; LUMBAR-LEFT; VERIFIED AT NECROPSY: OBSERVED >EYES; PALE; EYES; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT KIDNEY (KD) : -MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE, MULTI-FOCAL -HEMORRHAGE,-MINIMAL, MULTI-FOCAL LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, FOCAL -FIBROSIS,-MINIMAL, FOCAL
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 10 X 10 X 7 MM, RED, DARK RED, GREY, AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -PIGMENT,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT SKIN (SK) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -INFLAMMATION, ACUTE,-MINIMAL, MULTI-FOCAL -ULCERATION,-MODERATELY SEVERE, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91321 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/10/99 STUDY DAY OF DEATH: 654 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 406.7 GRAMS
DATE AND TIME OF NECROPSY: 11/10/99 14:59 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 22 X 20 X 10 MM, TAN, RED, AND SOFT; SAME ON CUT SURFACE; COLLECTED; OVERLYING SKIN HAS A SINGLE TAN ULCERATED AREA; COLLECTED INTACT WITH MASS; REGIONAL LN (INGUINAL) NOT IDENTIFIED; POSSIBLY CONSISTENT WITH MASS (DORSAL) NOTED IN CLINICAL OBSERVATIONS	MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT -M-CARCINOMA,-NEOPLASM PRESENT
		UTERUS (UT) : -DILATATION,-SLIGHT, FOCAL
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91321 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/10/99 STUDY DAY OF DEATH: 654 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 406.7 GRAMS
DATE AND TIME OF NECROPSY: 11/10/99 14:59 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91322 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/25/98 STUDY DAY OF DEATH: 151 STUDY WEEK OF DEATH: 22 TERMINAL BODY WEIGHT: 275.1 GRAMS
DATE AND TIME OF NECROPSY: 06/25/98 9:20 PROSECTOR: KEVIN BILLINGS RECORDER: KEVIN BILLINGS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED		OVARY (OV) :
>SKIN & PELAGE; BROWN HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED	GENERAL COMMENT (GC) :	-MINERALIZATION,-MINIMAL, FOCAL
>DISCHARGE; NASAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED	-STAINS-PERINEUM/PERIANAL; YELLOWISH-BROWN	CAUSE OF DEATH (CD) :
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT APPLICABLE	-BLOOD FILM TAKEN	-UNDETERMINED,-PRESENT
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	-DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY MATERIAL	
>RESPIRATION; AUDIBLE; VERIFIED AT NECROPSY: NOT APPLICABLE	-DISCHARGE-NASAL; BILATERAL: DARK RED AND DRY MATERIAL	
	-MALOCCLUSION; BILATERAL, UPPER INCISORS	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91322 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/25/98 STUDY DAY OF DEATH: 151 STUDY WEEK OF DEATH: 22 TERMINAL BODY WEIGHT: 275.1 GRAMS
DATE AND TIME OF NECROPSY: 06/25/98 9:20 PROSECTOR: KEVIN BILLINGS RECORDER: KEVIN BILLINGS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91323 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 343.0 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 11:55 PROSECTOR: DONIA MEYER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0385	.0112 %	.0166	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0328	.0096 %	.0141	WEIGHT TAKEN
BRAIN (BR)	2.3182	.6759 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.3772	.4015 %	.5941	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.3727	.4002 %	.5921	WEIGHT TAKEN
LIVER (LI)	19.1752	5.5904 %	8.2716	WEIGHT TAKEN
LUNG (LU)	1.7596	.5130 %	.7590	WEIGHT TAKEN
LEFT OVARY (OV0)	.0546	.0159 %	.0236	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0493	.0144 %	.0213	WEIGHT TAKEN
SPLEEN (SP)	.4801	.1400 %	.2071	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0143	.0042 %	.0062	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0102	.0030 %	.0044	WEIGHT TAKEN
UTERUS (UT)	1.1650	.3397 %	.5025	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>SKIN & PELAGE; ROUGH HAIR COAT;
VERIFIED AT NECROPSY: NOT APPLICABLE
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT;
WEEK 51; 10 X 10MM; VERIFIED AT
NECROPSY: OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-HYPERTROPHY, CENTRILOBULAR,
HEPATOCELLULAR,-MODERATE, MULTI-FOCAL
-B-ADENOMA, HEPATOCELLULAR,-NEOPLASM
PRESENT
KIDNEY (KD) :
-MINERALIZATION, PELVIC,-MINIMAL, MULTI-
FOCAL
OVARY (OV) :
-HEMORRHAGE,-MINIMAL, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91323 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 343.0 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 11:55 PROSECTOR: DONIA MEYER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -FIBROSIS,-MODERATE, FOCAL
	PITUITARY (PI) : -MASS(ES); 7 X 6 X 5 MM, RED, DARK RED, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN AREAS, UP TO 3 X 1 MM	STOMACH, GL (ST) : -EROSION,-SLIGHT, FOCAL
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT INGUINAL REGION: SINGLE MASS, 25 X 17 X 10 MM, RED, DARK RED, TAN, LOBULATED, CYSTIC AND FIRM; SOME SECTIONS EXUDE A DARK RED FLUID; COLLECTED INTACT; REGIONAL LN (INGUINAL) NOT IDENTIFIED -CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE TAN AND CREAMY SEMIFLUID FILLED CYSTS; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -M-CARCINOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
		LN, MEDIASTINAL (ML) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT, MULTI-FOCAL >NOTE:>MEDIASTINAL LYMPH NODE WAS PRESENT ON THYMUS SECTION

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91323 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 343.0 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 11:55 PROSECTOR: DONIA MEYER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91324 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 316.0 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 8:10 PROSECTOR: JERALD W. JOHNSON RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-RIGHT; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -DIFFUSELY DARK; ALL LOBES: DARK BROWN -DARK FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK BROWN AREAS, UP TO 2 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : -TELANGIECTASIS,-SLIGHT, FOCAL -VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL -B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT LIVER, OIL RED O (LI1) : -POSITIVE OIL RED O STAINING,-SLIGHT, MULTI-FOCAL KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, FOCAL ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL
	THYMUS (TH) : -CYST(S); AT BIFURCATION OF LOBES: SINGLE CLEAR FLUID FILLED CYST, 2 MM IN DIAMETER; COLLECTED	THYMUS (TH) : -CYST,-PRESENT
		THYROID (TY) : -HYPERPLASIA, C-CELL,-SLIGHT, FOCAL
	PITUITARY (PI) : -LARGE; 5 X 4 X 3 MM; APPEARS SWOLLEN	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) : -GALACTOCELE,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91324 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 316.0 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 8:10 PROSECTOR: JERALD W. JOHNSON RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	UTERUS (UT) : -THICKENED WALL; BILATERAL: DIFFUSE	UTERUS (UT) : >UNREMARKABLE CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT LN, MEDIASTINAL (ML) : -INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT, MULTI-FOCAL >NOTE:>MEDIASTINAL LYMPH NODE WAS PRESENT ON THYMUS SECTION
	FOOT/FOOTPAD(S) (FP) : -CRUSTED AREA(S); RIGHT HINDFOOT: SINGLE RED, DRY, CRUSTED AREA, 3 X 2 MM; COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	FOOT/FOOTPAD(S) (FP) : -EROSION,-MODERATE, FOCAL -INFLAMMATION, CHRONIC ACTIVE,-SLIGHT, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91324 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 316.0 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 8:10 PROSECTOR: JERALD W. JOHNSON RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91325 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/10/00 STUDY DAY OF DEATH: 715 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 320.0 GRAMS
DATE AND TIME OF NECROPSY: 01/10/00 14:06 PROSECTOR: WENDY CHERRY RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; RED HAIR COAT; HEAD-CRANIAL; VERIFIED AT NECROPSY: NOT OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -MOTTLED; ALL LOBES: DARK BROWN AND TAN	LIVER (LI) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL -VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		
>SKIN & PELAGE; BROWN HAIR COAT; PERINEAL AREA; VERIFIED AT NECROPSY: OBSERVED	KIDNEY (KD) : -DIFFUSELY DARK; BILATERAL: DARK BROWN	KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED		
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE	ADRENAL, CORTEX (AC) : -LARGE; RIGHT: 8 X 8 X 7 MM (LEFT IS 5 X 4 X 4 MM)	ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -PIGMENT,-MINIMAL, MULTI-FOCAL -VACUOLATION,-MODERATELY SEVERE, FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	LUNG (LU) : -LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN AREAS, UP TO 5 MM IN DIAMETER	LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT, MULTI-FOCAL
		THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE OF DEATH: 01/10/00 STUDY DAY OF DEATH: 715 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 320.0 GRAMS
DATE AND TIME OF NECROPSY: 01/10/00 14:06 PROSECTOR: WENDY CHERRY RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	THYROID (TY) : -LARGE; RIGHT: 7 X 5 X 5 MM (LEFT IS 5 X 4 X 4 MM)	
		PARATHYROID (PT) : >SECTION EXAMINED; TISSUE NOT PRESENT
	PITUITARY (PI) : -MASS(ES); 13 X 11 X 7 MM; DARK RED, TAN AND SOFT	PITUITARY (PI) : -CYST,-PRESENT -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) : -GALACTOCELE,-MINIMAL, MULTI-FOCAL
	VAGINA (VA) : -SEMIFLUID MATERIAL; WITHIN LUMEN: GREEN	VAGINA (VA) : >UNREMARKABLE
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; YELLOW AND DRY -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91326 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/13/99 STUDY DAY OF DEATH: 596 STUDY WEEK OF DEATH: 86 TERMINAL BODY WEIGHT: 212.7 GRAMS
DATE AND TIME OF NECROPSY: 09/13/99 15:48 PROSECTOR: TERRI L. WILLIAMS RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) :	LIVER (LI) :
>SKIN & PELAGE; RED HAIR COAT; LIMBS-FRONT; VERIFIED AT NECROPSY: NOT OBSERVED	-DIFFUSELY DARK; ALL LOBES: DARK BROWN	-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) :
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		-MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
		THYMUS (TH) :
		-X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
		THYROID (TY) :
		-B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 10 X 7 X 7 MM, RED, DARK RED, TAN AND SOFT	-B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) :	MAMMARY, FEMALE (MF) :
	-THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	-GALACTOCELE,-MINIMAL, MULTI-FOCAL
		CAUSE OF DEATH (CD) :
		-PITUITARY ADENOMA,-PRESENT
		CAVITY, ABDOM (PC) :
		-NECROSIS, FAT,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	CAVITY, ABDOM (PC) : -MASS(ES); ATTACHED TO ADIPOSE NEAR RIGHT OVARY: SINGLE MASS, 8 X 3 X 2 MM, YELLOW AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT WITH OVARY; REGIONAL LN (ANTERIOR MESENTERIC) NOT IDENTIFIED	HEMATO NEOPLASIA (HN) : -M-LYMPHOMA,-NEOPLASM PRESENT
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; DARK YELLOW -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: RED -DISCHARGE-NASAL; RED -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91327 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 493.2 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 10:45 PROSECTOR: TONY HANFELD RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 84; 30 X 30MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
	LIVER (LI) : -RED FOCUS(I)/AREA(S); ON MARGIN OF LEFT MEDIAN LOBE: SINGLE RED AREA, 8 X 7 MM; COLLECTED ON ROUTINE SECTION	LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MODERATELY SEVERE, FOCAL -TELANGIECTASIS,-MODERATE, FOCAL -VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL KIDNEY (KD) : -MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT, MULTI-FOCAL ADRENAL, CORTEX (AC) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -HYPERPLASIA, CORTICAL,-MODERATELY SEVERE, MULTI-FOCAL -MINERALIZATION,-MODERATE, MULTI-FOCAL -PIGMENT,-MINIMAL, FOCAL -THROMBUS,-MODERATE, MULTI-FOCAL
	PITUITARY (PI) : -MASS(ES); 12 X 8 X 6 MM, DARK RED, TAN AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		RECTUM (RE) : -PARASITISM,-PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 40 X 25 X 15 MM, RED, DARK RED, TAN, LOBULATED AND FIRM; SOME SECTIONS EXUDE A DARK BROWN FLUID; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 20) -THICKENED; ALL REGIONS, DIFFUSE: COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL -M-CARCINOMA,-NEOPLASM PRESENT
	UTERUS (UT) : -CYST(S); RIGHT HORN, WITHIN LUMEN: SINGLE BROWN FLUID FILLED CYST, 10 X 3 X 3 MM	UTERUS (UT) : -DILATATION,-MODERATE, DIFFUSE
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91328 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 437 STUDY WEEK OF DEATH: 63 TERMINAL BODY WEIGHT: 336.1 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 13:55 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED
>DISCHARGE; ORAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE
>RESPIRATION; AUDIBLE; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; RED HAIR COAT; DORSAL-CERVICAL-RIGHT; VERIFIED AT NECROPSY: OBSERVED
>EYES; PALE; EYES; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

OVARY (OV) :
-CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 2 MM IN DIAMETER

PITUITARY (PI) :
-DARK FOCUS(I)/AREA(S); MID POSTERIOR ASPECT: SINGLE DARK BROWN FOCUS, 2 MM IN DIAMETER
UTERUS (UT) :
-LUMEN FILLED WITH FLUID; RIGHT: CLEAR FLUID

LN, MANDIBULAR (MN) :
-MOTTLED; BILATERAL: RED AND TAN; COLLECTED
GENERAL COMMENT (GC) :
-DISCHARGE-ORAL; DRY, RED MATERIAL
-BLOOD FILM TAKEN
-DISCHARGE-OCULAR; BILATERAL: DRY, RED MATERIAL
-DISCHARGE-NASAL; DRY, RED MATERIAL

HISTOPATHOLOGY

ADRENAL, MEDULLA (MA) :
-ONE EXAMINED,-PRESENT
OVARY (OV) :
-CYST,-PRESENT

THYROID (TY) :
-B-ADENOMA, C-CELL,-NEOPLASM PRESENT
PITUITARY (PI) :
-HEMORRHAGE,-MINIMAL, FOCAL
-B-ADENOMA,-NEOPLASM PRESENT

UTERUS (UT) :
>UNREMARKABLE

CAUSE OF DEATH (CD) :
-UNDETERMINED,-PRESENT
LN, MANDIBULAR (MN) :
-HEMORRHAGE,-SLIGHT, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -MALOCCLUSION; BILATERAL, UPPER INCISORS -STAINS - SKIN/HAIRCOAT; ENTIRE VENTRAL SURFACE AND HEAD REGION: DRY, RED MATERIAL	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91329 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 229.5 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 13:56 PROSECTOR: DONIA MEYER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0247	.0108 %	.0121	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0268	.0117 %	.0131	WEIGHT TAKEN
BRAIN (BR)	2.0389	.8884 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	.9396	.4094 %	.4608	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	.9792	.4267 %	.4803	WEIGHT TAKEN
LIVER (LI)	9.5614	4.1662 %	4.6895	WEIGHT TAKEN
LUNG (LU)	1.1670	.5085 %	.5724	WEIGHT TAKEN
LEFT OVARY (OV0)	.0495	.0216 %	.0243	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0478	.0208 %	.0234	WEIGHT TAKEN
SPLEEN (SP)	.3983	.1736 %	.1954	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0098	.0043 %	.0048	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0122	.0053 %	.0060	WEIGHT TAKEN
UTERUS (UT)	.4650	.2026 %	.2281	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-HYPERTROPHY, CENTRILOBULAR,
HEPATOCELLULAR,-SLIGHT, DIFFUSE
ADRENAL, CORTEX (AC) :
-VACUOLATION,-MINIMAL, DIFFUSE
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL INFORMATION (XX) :
>NOTE:>ANIMAL DIED FOLLOWING SAMPLE COLLECTION AND PRIOR TO ANESTHESIA; NO ANESTHESIA ADMINISTERED

HISTOPATHOLOGY

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91330 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/07/99 STUDY DAY OF DEATH: 590 STUDY WEEK OF DEATH: 85 TERMINAL BODY WEIGHT: 406.5 GRAMS
DATE AND TIME OF NECROPSY: 09/07/99 14:41 PROSECTOR: JERALD W. JOHNSON RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-THORACIC; WEEK 54; 50 X 45MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT
>MASS(ES); DORSAL; WEEK 68; 35 X 35MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, CLEAR CELL,-MODERATE, FOCAL
>MASS(ES); DORSAL-CERVICAL-LEFT; WEEK 80; 30 X 30MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL
>SKIN & PELAGE; SORE/SCAB; SACRAL-LEFT; VERIFIED AT NECROPSY: OBSERVED	SPLEEN (SP) : -LARGE; 57 X 14 X 7 MM	SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE, DIFFUSE
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 84; 15 X 15MM ANTERIOR; VERIFIED AT NECROPSY: OBSERVED		ADRENAL, CORTEX (AC) : -VACUOLATION,-SLIGHT, FOCAL
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 85; 20 X 20 MM; VERIFIED AT NECROPSY: OBSERVED	OVARY (OV) : -CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 3 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 85; 20 X 20MM POSTERIOR; VERIFIED AT NECROPSY: OBSERVED	PITUITARY (PI) : -MASS(ES); 8 X 7 X 5 MM, RED, TAN AND FIRM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -INFLAMMATION, ACUTE,-MODERATE, MULTI-FOCAL -MINERALIZATION,-MODERATE, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91330 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/07/99 STUDY DAY OF DEATH: 590 STUDY WEEK OF DEATH: 85 TERMINAL BODY WEIGHT: 406.5 GRAMS
DATE AND TIME OF NECROPSY: 09/07/99 14:41 PROSECTOR: JERALD W. JOHNSON RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 20 X 15 X 14 MM, DARK RED, GRAY, LOBULATED AND SOFT; SAME ON CUT SURFACE (CAP 24); REGIONAL LN (SEE INGUINAL); POSSIBLY CONSISTENT WITH MASS (VENTRAL ABDOMINAL LEFT POSTERIOR) AS NOTED IN CLINICAL OBSERVATIONS -MASS #2; LEFT AXILLARY REGION: SINGLE MASS, 30 X 25 X 15 MM, DARK RED, RED, TAN, GRAY AND FIRM; SAME ON CUT SURFACE; ON SECTION EXUDES A BROWN FLUID (CAP 25); REGIONAL LN (SEE AXILLARY); POSSIBLY CONSISTENT WITH MASS (VENTRAL ABDOMINAL LEFT) AS NOTED IN CLINICAL OBSERVATIONS -MASS #3; MID VENTRAL CERVICAL REGION: SINGLE MASS, 50 X 35 X 12 MM, TAN, GRAY, LOBULATED AND FIRM; SAME ON CUT SURFACE (CAP 26); REGIONAL LN (MANDIBULAR) NORMAL (CAP 22); POSSIBLY CONSISTENT WITH MASS (VENTRAL THORACIC) AS NOTED IN CLINICAL OBSERVATIONS	MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,-NEOPLASM PRESENT -M-CARCINOMA,- 5 NEOPLASMS PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS #4; LEFT LATERAL CERVICAL REGION: SINGLE MASS, 35 X 30 X 20 MM, DARK BROWN, BROWN, RED, LOBULATED AND SOFT; SAME ON CUT SURFACE (CAP 27); REGIONAL LN (MANDIBULAR) NORMAL (CAP 22); POSSIBLY CONSISTENT WITH MASS (DORSAL CERVICAL LEFT) AS NOTED IN CLINICAL OBSERVATIONS -MASS #5; DORSAL CERVICAL REGION: SINGLE MASS, 30 X 20 X 20 MM, TAN, RED, DARK RED, LOBULATED AND FIRM; SAME ON CUT SURFACE; ON SECTION EXUDES A BROWN SEMIFLUID MATERIAL (CAP 28); REGIONAL LN NORMAL (CAP 22); POSSIBLY CONSISTENT WITH MASS (DORSAL) AS NOTED IN CLINICAL OBSERVATIONS -MASS #6; PERIANAL REGION: TWO MASSES, EACH IS 20 X 15 X 10, BOTH ARE TAN, DARK RED, LOBULATED AND FIRM; BOTH ARE SAME ON CUT SURFACE (CAP 29); REGIONAL LN (SEE INGUINAL); POSSIBLY CONSISTENT WITH MASS (VENTRAL ABDOMINAL RIGHT) AS NOTED IN CLINICAL OBSERVATIONS; OVERLYING SKIN IS DARK BROWN, MOIST AND ULCERATED, 12 MM IN DIAMETER; COLLECTED INTACT WITH MASS	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	UTERUS (UT) : -CYST(S); BILATERAL, WITHIN LUMEN: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 3 MM IN DIAMETER -THICKENED WALL; BILATERAL, DIFFUSE	UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-MINIMAL, MULTI-FOCAL
		CAUSE OF DEATH (CD) : -PITUITARY CARCINOMA,-PRESENT
		LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOCYTIC,-SLIGHT, MULTI-FOCAL
	LN, AXILLARY (AX) : -LARGE; LEFT: UP TO 7 X 5 X 2 MM (RIGHT IS UP TO 3 X 2 X 1 MM) (CAP 23)	LN, AXILLARY (AX) : -DILATATION, SINUSOIDAL,-SLIGHT, MULTI-FOCAL -HYPERPLASIA, LYMPHOCYTIC,-MODERATE, MULTI-FOCAL
	LN, INGUINAL (IN) : -LARGE; BILATERAL: EACH IS UP TO 4 X 4 MM (CAP 21) -DIFFUSELY DARK; LEFT: DARK BROWN (CAP 21)	LN, INGUINAL (IN) : -N-MAMMARY CARCINOMA,-NEOPLASM PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91331 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/20/99 STUDY DAY OF DEATH: 541 STUDY WEEK OF DEATH: 78 TERMINAL BODY WEIGHT: 256.8 GRAMS
DATE AND TIME OF NECROPSY: 07/20/99 13:58 PROSECTOR: LYNN HORNER RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; RED HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		-NECROSIS, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE		-VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL
		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
		-MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
		PANCREAS (PA) : -PIGMENT,-SLIGHT, MULTI-FOCAL
	ADRENAL, CORTEX (AC) : -LIGHT FOCUS(I)/AREA(S); LEFT CORTEX: SINGLE TAN AREA, 2 MM IN DIAMETER	ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-MODERATE, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
		THYMUS (TH) : -CYST,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 10 X 9 X 5 MM, RED, DARK RED, GRAY, TAN, CYSTIC, AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) : -B-ADENOMA,-NEOPLASM PRESENT
	UTERUS (UT) : -LUMEN FILLED WITH FLUID; BILATERAL: CLEAR FLUID	UTERUS (UT) : -DILATATION,-MINIMAL, FOCAL -B-POLYP, ENDOMETRIAL, STROMAL,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; PERINEUM: YELLOW AND MOIST -BLOOD FILM TAKEN -STAINS - SKIN/HAIRCOAT; VENTRAL ABDOMINAL REGION: RED AND MOIST -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91332 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 306.3 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 11:16 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; DORSAL; VERIFIED AT NECROPSY: NOT OBSERVED >APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT LIVER, OIL RED O (LI1) : -POSITIVE OIL RED O STAINING,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -MINERALIZATION, PELVIC,-SLIGHT, FOCAL ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,- MINIMAL, MULTI-FOCAL THYMUS (TH) : -CYST,-PRESENT
	PITUITARY (PI) : -MASS(ES); 10 X 8 X 7 MM, DARK RED, TAN, GREY AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI- FOCAL -PIGMENT,-MINIMAL, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,- SLIGHT, FOCAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LN, ANT MES/PANC (AP) : -INFILTRATE, MACROPHAGE, PIGMENTED,- MINIMAL, MULTI-FOCAL >NOTE:>PANCREATIC LYMPH NODE WAS PRESENT ON PANCREAS SLIDE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91332 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 306.3 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 11:16 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91333 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 187.0 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 10:30 PROSECTOR: DONIA MEYER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	7.5152	4.0188 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LEFT OVARY (OV0)	--------	--------	--------	NOT TAKEN
RIGHT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT THYROID/PAR (TT0)	--------	--------	--------	NOT TAKEN
RIGHT THYROID/PR (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 02/18/98 10:30 PROSECTOR: DONIA MEYER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91334 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/31/99 STUDY DAY OF DEATH: 705 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/31/99 8:40 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED		EYE (EY) :
		-INFLAMMATION, ACUTE, CORNEAL,-MINIMAL, MULTI-FOCAL
>MASS(ES); AXILLARY REGION-LEFT; WEEK 86; 30 X 30MM; VERIFIED AT NECROPSY: OBSERVED		-ULCERATION, CORNEAL,-MODERATE, FOCAL
		-VASCULARIZATION, CORNEAL,-MODERATE, FOCAL
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 97; 60 X 60MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) :
		-MINERALIZATION, TUBULAR,-MODERATELY SEVERE, MULTI-FOCAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		ADRENAL, CORTEX (AC) :
		-ANGIECTASIS,-SLIGHT, MULTI-FOCAL
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
	OVARY (OV) :	OVARY (OV) :
	-MASS(ES); INVOLVING ENTIRE LEFT OVARY: SINGLE MASS, 25 X 14 X 14 MM, DARK RED, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (RENAL) NORMAL (CAP 22)	-ONE EXAMINED,-PRESENT
		>NOTE:>OVARIAN MASS DESCRIBED GROSSLY WAS NECROTIC MESENTERIC FAT
	-MASS #2; ATTACHED TO MASS #1: SINGLE MASS, 40 X 30 X 25 MM, DARK GREEN, BROWN, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (RENAL) NORMAL (CAP 22)	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 12/31/99 8:40 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : >SECTION EXAMINED; TISSUE NOT PRESENT LUNG (LU) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL -MINERALIZATION,-MINIMAL, FOCAL
	HEART (HT) : -DIFFUSELY LIGHT; TAN	HEART (HT) : -DEGENERATION/NECROSIS,-MODERATELY SEVERE, MULTI-FOCAL -FIBROSIS,-SLIGHT, MULTI-FOCAL -MINERALIZATION,-MODERATE, MULTI-FOCAL THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 7 X 6 X 5 MM, RED, DARK RED, TAN AND SOFT STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE BLACK AND BROWN AREAS, UP TO 3 X 1 MM	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT STOMACH, GL (ST) : -MINERALIZATION,-MODERATE, MULTI-FOCAL
		MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATELY SEVERE, MULTI-FOCAL -MINERALIZATION,-MINIMAL, MULTI-FOCAL -PIGMENT,-MODERATE, MULTI-FOCAL -B-ADENOMA,- 2 NEOPLASMS PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91334 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/31/99 STUDY DAY OF DEATH: 705 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/31/99 8:40 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 35 X 20 X 10 MM, RED, DARK RED, TAN, LOBULATED AND FIRM; SAME ON CUT SURFACE; OVERLYING SKIN HAS A SINGLE DARK RED AND DRY CRUSTED AREA, 7 X 4 MM; COLLECTED INTACT WITH MASS; REGIONAL LN (AXILLARY) NORMAL (CAP 21) -MASS #2; RIGHT INGUINAL REGION: SINGLE MASS, 65 X 55 X 25 MM, RED, DARK RED, TAN, LOBULATED AND FIRM; SAME ON CUT SURFACE; PORTION COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	CAUSE OF DEATH (CD) : -RENAL MINERALIZATION,-PRESENT CAVITY, ABDOM (PC) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -INFLAMMATION, CHRONIC,-SLIGHT, FOCAL -MINERALIZATION,-SLIGHT, MULTI-FOCAL -NECROSIS, FAT,-PRESENT -PIGMENT,-MINIMAL, MULTI-FOCAL -THROMBUS,-MODERATELY SEVERE, MULTI-FOCAL LN, RENAL (RL) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91334 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/31/99 STUDY DAY OF DEATH: 705 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/31/99 8:40 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LN, RENAL (RL) : -INFILTRATE, MACROPHAGE, PIGMENTED,- SLIGHT, MULTI-FOCAL LN, AXILLARY (AX) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL
	GENERAL COMMENT (GC) : -DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY -MALOCCLUSION; BILATERAL, UPPER INCISORS -ANIMAL THIN -TEETH MISSING/BROKEN/WORN; BILATERAL, UPPER INCISORS: BROKEN OFF AT BASE	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91334 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/31/99 STUDY DAY OF DEATH: 705 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/31/99 8:40 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91335 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 395.1 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 9:52 PROSECTOR: JARED FISHEL RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AND SLIGHTLY DEPRESSED AREAS, UP TO 4 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : -HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR,-MINIMAL, DIFFUSE -VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL
		LIVER, OIL RED O (LI1) : -POSITIVE OIL RED O STAINING,-SLIGHT, MULTI-FOCAL
		ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL
		LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT, MULTI-FOCAL
		THYROID (TY) : -CYST, FOLLICULAR,-SLIGHT, MULTI-FOCAL
	PITUITARY (PI) : -LARGE; 5 X 4 X 3 MM; APPEARS SWOLLEN	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -LIGHT FOCUS(I)/AREA(S); MUCOSA: MULTIPLE TAN AREAS, PINPOINT AND UP TO 1 MM IN DIAMETER	STOMACH, GL (ST) : >UNREMARKABLE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91335 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
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DATE AND TIME OF NECROPSY: 01/25/00 9:52 PROSECTOR: JARED FISHEL RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,- MINIMAL, DIFFUSE CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS -BLOOD FILM TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91335 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
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DATE AND TIME OF NECROPSY: 01/25/00 9:52 PROSECTOR: JARED FISHEL RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91336 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 335.7 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 8:10 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 88; 10 X 15MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT LIVER, OIL RED O (LI1) : -POSITIVE OIL RED O STAINING,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -MINERALIZATION, PELVIC,-MODERATE, FOCAL ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -THROMBUS,-MINIMAL, FOCAL ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT
	LN, MESENTERIC (MS) : -DIFFUSELY RED; DARK RED	LN, MESENTERIC (MS) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL, MULTI-FOCAL
	OVARY (OV) : -CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 3 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -CYST,-PRESENT
	THYROID (TY) : -MISSING/NOT IDENTIFIED; LEFT: MISSING	THYROID (TY) : -CYST, FOLLICULAR,-MODERATE, FOCAL -ONE EXAMINED,-PRESENT
	PITUITARY (PI) : -MASS(ES); 7 X 6 X 5 MM, RED, DARK RED, TAN AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); MID PECTORAL REGION: SINGLE MASS, 22 X 17 X 10 MM, RED, DARK RED, TAN AND SOFT; SAME ON CUT SURFACE (CAP 20); REGIONAL LN (SEE AXILLARY) -MASS #2; RIGHT INGUINAL REGION: SINGLE MASS, 25 X 20 X 10 MM, RED, DARK RED, TAN AND FIRM; CUT SURFACE EXUDES A DARK BROWN SEMIFLUID; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED -MASS #3; LEFT PERINEAL REGION: SINGLE MASS, 28 X 20 X 15 MM, DARK RED, TAN AND FIRM; CUT SURFACE EXUDES A DARK RED SEMIFLUID; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -B-ADENOMA,-NEOPLASM PRESENT -M-CARCINOMA,- 2 NEOPLASMS PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, AXILLARY (AX) : -MOTTLED; BILATERAL: RED AND TAN (CAP 21)	LN, AXILLARY (AX) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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DATE AND TIME OF NECROPSY: 01/25/00 8:10 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LN, AXILLARY (AX) : -INFILTRATE, MACROPHAGE, PIGMENTED,- MINIMAL, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91337 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 262.8 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 13:38 PROSECTOR: MICHELE MARGGI RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0311	.0118 %	.0157	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0318	.0121 %	.0161	WEIGHT TAKEN
BRAIN (BR)	1.9778	.7526 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.1313	.4305 %	.5720	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.1432	.4350 %	.5780	WEIGHT TAKEN
LIVER (LI)	11.4262	4.3479 %	5.7772	WEIGHT TAKEN
LUNG (LU)	1.0703	.4073 %	.5412	WEIGHT TAKEN
LEFT OVARY (OV0)	.0514	.0196 %	.0260	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0622	.0237 %	.0314	WEIGHT TAKEN
SPLEEN (SP)	.4922	.1873 %	.2489	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0106	.0040 %	.0054	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0102	.0039 %	.0052	WEIGHT TAKEN
UTERUS (UT)	.5673	.2159 %	.2868	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91338 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 310.4 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 11:26 PROSECTOR: JERALD W. JOHNSON RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -DIFFUSELY DARK; ALL LOBES: DARK BROWN -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 5 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : -DEGENERATION, CYSTIC,-SLIGHT, FOCAL -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL -TELANGIECTASIS,-MINIMAL, FOCAL -VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL KIDNEY (KD) : -CYST,-MINIMAL, MULTI-FOCAL THYMUS (TH) : -CYST,-PRESENT LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT, MULTI-FOCAL
	CERVIX (CV) : -MASS(ES); EXTENDING INTO LUMEN OF BOTH UTERINE HORNS: SINGLE MASS, 30 X 10 X 9 MM, RED, DARK RED, TAN, GRAY, AND SOFT; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (LUMBAR) NORMAL (CAP 20)	CERVIX (CV) : -B-POLYP, ENDOMETRIAL STROMAL,-NEOPLASM PRESENT UTERUS (UT) : -DILATATION,-MODERATELY SEVERE, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91338 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 310.4 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 11:26 PROSECTOR: JERALD W. JOHNSON RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	UTERUS (UT) : -LUMEN FILLED WITH FLUID; BILATERAL: BROWN FLUID -MASS(ES); WITHIN LUMEN OF LEFT HORN: SINGLE MASS, 25 X 20 X 10 MM, TAN, RED, LOBULATED AND SOFT; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (LUMBAR) NORMAL (CAP 20)	UTERUS (UT) : -B-POLYP, ENDOMETRIAL, STROMAL,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91338 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 310.4 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 11:26 PROSECTOR: JERALD W. JOHNSON RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), VAGINA (VA), HEMATO NEOPLASIA (HN), LN, LUMBAR/ILIAC (LM)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91339 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/06/99 STUDY DAY OF DEATH: 680 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: 290.7 GRAMS
DATE AND TIME OF NECROPSY: 12/06/99 12:52 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: NOT OBSERVED	EYE (EY) :	EYE (EY) :
>SKIN & PELAGE; RED HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED	>NOTE:>TRIMMING COMMENT: ONE EYE MISSING	-ONE EXAMINED,-PRESENT
>DISCHARGE; NASAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) :	-DILATATION, VENTRICULAR,-PRESENT
	-DARK FOCUS(I)/AREA(S); RIGHT MEDIAN AND LEFT LATERAL LOBES: MULTIPLE DARK BROWN AREAS, UP TO 5 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) :
	KIDNEY (KD) :	-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
	-CYST(S); RIGHT, CORTICAL SURFACE: SINGLE CLEAR FLUID FILLED CYST, 3 MM IN DIAMETER	-VACUOLATION, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL
		KIDNEY (KD) :
		-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
		-CYST,-MODERATE, FOCAL
		ADRENAL, CORTEX (AC) :
		-ANGIECTASIS,-SLIGHT, FOCAL
		-HEMORRHAGE,-SLIGHT, FOCAL
		-THROMBUS,-MINIMAL, FOCAL
		THYROID (TY) :
		-B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 10 X 7 X 5 MM, DARK RED, TAN AND SOFT	-HEMORRHAGE,-MODERATE, MULTI-FOCAL
		-PIGMENT,-SLIGHT, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91339 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/06/99 STUDY DAY OF DEATH: 680 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: 290.7 GRAMS
DATE AND TIME OF NECROPSY: 12/06/99 12:52 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: SINGLE BROWN ULCERATED AREA, 5 MM IN DIAMETER	STOMACH, NONGL (SU) : -EDEMA,-MODERATE, FOCAL -EROSION,-MODERATELY SEVERE, FOCAL -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -INFLAMMATION, ACUTE,-MODERATE, MULTI-FOCAL
	MAMMARY, FEMALE (MF) : -THICKENED; ALL REGIONS, DIFFUSE: TAN AND SOFT; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : >UNREMARKABLE
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-NASAL; DRY DARK RED MATERIAL -STAINS - SKIN/HAIRCOAT; VENTRAL ABDOMINAL REGION: DRY DARK RED MATERIAL	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91339 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/06/99 STUDY DAY OF DEATH: 680 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: 290.7 GRAMS
DATE AND TIME OF NECROPSY: 12/06/99 12:52 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91340 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 286.4 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 10:29 PROSECTOR: JERALD W. JOHNSON RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED		EYE (EY) : -VASCULARIZATION, CORNEAL,-SLIGHT, FOCAL
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 67; 60 X 55MM APPEARS TO HAVE MIGRATED FROM VENTRAL THORACIC; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED	LIVER (LI) : -DIFFUSELY DARK; ALL LOBES: DARK BROWN	LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MODERATE, FOCAL
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) : -MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		ADRENAL, CORTEX (AC) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -HYPERPLASIA, CORTICAL,-MODERATE, FOCAL
	OVARY (OV) : -CYST(S); RIGHT: TWO CLEAR FLUID FILLED CYSTS, EACH IS 7 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT
	PITUITARY (PI) : -MASS(ES); 10 X 8 X 5 MM, DARK RED, TAN, GRAY, AND SOFT	PITUITARY (PI) : -CYST,-PRESENT -PIGMENT,-MINIMAL, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		STOMACH, GL (ST) : -EROSION,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 01/26/00 10:29 PROSECTOR: JERALD W. JOHNSON RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, GL (ST) : -RED FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK RED AREAS, UP TO 4 X 2 MM SKIN (SK) : >NOTE:>COLLECTED ON RIGHT SIDE DUE TO MAMMARY GLAND MASS MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 55 X 45 X 17 MM, TAN, GRAY, LOBULATED, AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED -THICKENED; RIGHT INGUINAL REGION: TAN AND FIRM; COLLECTED ON ROUTINE SECTION >NOTE:>COLLECTED ON RIGHT SIDE DUE TO MAMMARY GLAND MASS	MAMMARY, FEMALE (MF) : -GALACTOCELE,-SEVERE, FOCAL -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT VAGINA (VA) : >TISSUE MISSING CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; RIGHT: DARK RED, DRY MATERIAL -MALOCCLUSION; BILATERAL, UPPER INCISORS -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91340 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 286.4 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 10:29 PROSECTOR: JERALD W. JOHNSON RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91341 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 426.3 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 11:28 PROSECTOR: JARED FISHEL RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-CERVICAL; WEEK 73; 60 X 40MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) :
		-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
>SKIN & PELAGE; SORE/SCAB; VENTRAL-CERVICAL; VERIFIED AT NECROPSY: OBSERVED		-VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL
		LIVER, OIL RED O (LI1) :
		-POSITIVE OIL RED O STAINING,-MINIMAL, MULTI-FOCAL
		KIDNEY (KD) :
		-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
		-MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
		ADRENAL, CORTEX (AC) :
		-DEGENERATION, CYSTIC, CORTICAL,-MODERATELY SEVERE, MULTI-FOCAL
		-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
		THYROID (TY) :
		-B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
	-LARGE; 6 X 5 X 4 MM; APPEARS SWOLLEN	>UNREMARKABLE
		HARDERIAN GLAND (HG) :
		-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91341 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 426.3 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 11:28 PROSECTOR: JARED FISHEL RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		SKIN (SK) : -INFLAMMATION, ACUTE,-SLIGHT, FOCAL -ULCERATION,-SEVERE, FOCAL
	MAMMARY, FEMALE (MF) : -MASS #2; VENTRAL CERVICAL REGION: SINGLE MASS, 90 X 45 X 30 MM, RED, DARK RED, TAN, FIRM, VASCULAR AND LOBULATED; SOME SECTIONS EXUDE A DARK GREEN SEMIFLUID; COLLECTED; REGIONAL LN (SEE AXILLARY); OVERLYING SKIN HAS A SINGLE DARK RED AND MOIST CRUSTED AREA, COLLECTED INTACT WITH MASS	MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATE, MULTI-FOCAL -HYPERPLASIA, GLANDULAR,-SLIGHT, MULTI-FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT
		UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-SLIGHT, MULTI-FOCAL
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, AXILLARY (AX) : -LARGE; BILATERAL: EACH IS UP TO 9 X 4 X 3 MM (CAP 20)	LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOCYTIC,-SLIGHT, MULTI-FOCAL
	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91341 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 426.3 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 11:28 PROSECTOR: JARED FISHEL RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91342 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 430.5 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 8:25 PROSECTOR: TERRI L. WILLIAMS RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -MOTTLED; ALL LOBES: RED, TAN, AND BROWN LUNG (LU) : -LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN AREAS, UP TO 10 X 10 MM	LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-SLIGHT, FOCAL -VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL PANCREAS (PA) : -ATROPHY, ACINAR,-MODERATE, FOCAL -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-SLIGHT, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT OVARY (OV) : -CYST,-PRESENT LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT, MULTI-FOCAL -MINERALIZATION, VASCULAR,-SLIGHT, FOCAL THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT -HEMORRHAGE,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 01/26/00 8:25 PROSECTOR: TERRI L. WILLIAMS RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYROID (TY) : -B-ADENOMA, C-CELL,- 2 NEOPLASMS PRESENT
	PITUITARY (PI) : -LARGE; 6 X 5 X 3 MM	PITUITARY (PI) : >UNREMARKABLE
	CERVIX (CV) : -LARGE; 9 MM IN DIAMETER	CERVIX (CV) : >UNREMARKABLE
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91343 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 272.8 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 14:03 PROSECTOR: JODI THIEREN RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0457	.0168 %	.0230	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0379	.0139 %	.0191	WEIGHT TAKEN
BRAIN (BR)	1.9894	.7293 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.4136	.5182 %	.7106	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.4822	.5433 %	.7450	WEIGHT TAKEN
LIVER (LI)	13.1212	4.8098 %	6.5956	WEIGHT TAKEN
LUNG (LU)	1.7758	.6510 %	.8926	WEIGHT TAKEN
LEFT OVARY (OV0)	.0724	.0265 %	.0364	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0606	.0222 %	.0305	WEIGHT TAKEN
SPLEEN (SP)	.6191	.2269 %	.3112	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0103	.0038 %	.0052	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0193	.0071 %	.0097	WEIGHT TAKEN
UTERUS (UT)	1.0097	.3701 %	.5075	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL
-HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL
-INFLAMMATION, CHRONIC,-SLIGHT, MULTI-FOCAL
-STASIS, BILE,-SLIGHT, MULTI-FOCAL
-VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LUNG (LU) : -LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN AREAS, UP TO 4 X 3 MM	LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT, MULTI-FOCAL THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: SINGLE DARK BROWN FOCUS, 1 MM IN DIAMETER	STOMACH, GL (ST) : >UNREMARKABLE CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	CAVITY, ABDOM (PC) : -MASS(ES); ATTACHED TO ADIPOSE TISSUE NEAR RIGHT HORN OF UTERUS: SINGLE MASS, 20 X 12 X 6 MM, RED, TAN, FIRM, AND LOBULATED; SAME ON CUT SURFACE (CAP 20); REGIONAL LN (LUMBAR) NORMAL (CAP 21) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	CAVITY, ABDOM (PC) : -FIBROSIS,-SLIGHT, MULTI-FOCAL -NECROSIS, FAT,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN), LN, LUMBAR/ILIAC (LM)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91344 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/10/00 STUDY DAY OF DEATH: 715 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 298.3 GRAMS
DATE AND TIME OF NECROPSY: 01/10/00 13:43 PROSECTOR: JAMES T. CALLEN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: NOT OBSERVED
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 94; 60 X 50MM; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; BROWN HAIR COAT; PERINEAL AREA; VERIFIED AT NECROPSY: OBSERVED
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)
LIVER (LI) :
-CYST(S); ALONG MARGIN OF LEFT LATERAL LOBE: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 1 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION
KIDNEY (KD) :
-CYST(S); RIGHT, NEAR CAUDAL POLE: SINGLE CLEAR FLUID FILLED CYST, 2 MM IN DIAMETER
OVARY (OV) :
-CYST(S); LEFT: SINGLE CLEAR FLUID FILLED CYST, 6 MM IN DIAMETER
PITUITARY (PI) :
-MASS(ES); 12 X 8 X 6 MM, DARK RED, TAN AND FIRM

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-CYST,-MINIMAL, FOCAL
-HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL
-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
KIDNEY (KD) :
>UNREMARKABLE

LN, MESENTERIC (MS) :
>TISSUE MISSING
OVARY (OV) :
-CYST,-PRESENT

LUNG (LU) :
-MINERALIZATION, VASCULAR,-MINIMAL, FOCAL
PITUITARY (PI) :
-B-ADENOMA,-NEOPLASM PRESENT

MAMMARY, FEMALE (MF) :
-B-FIBROADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT INGUINAL REGION: SINGLE MASS, 52 X 45 X 24 MM, TAN, LOBULATED, VASCULAR AND SOFT; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (INGUINAL) NOT IDENTIFIED	
		VAGINA (VA) : >TISSUE MISSING
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; DRY BROWN MATERIAL -BLOOD FILM TAKEN -DISCHARGE-NASAL; DRY RED MATERIAL -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91344 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/10/00 STUDY DAY OF DEATH: 715 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 298.3 GRAMS
DATE AND TIME OF NECROPSY: 01/10/00 13:43 PROSECTOR: JAMES T. CALLEN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91345 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 185.6 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 9:58 PROSECTOR: DONIA MEYER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	7.8249	4.2160 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LEFT OVARY (OV0)	--------	--------	--------	NOT TAKEN
RIGHT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT THYROID/PAR (TT0)	--------	--------	--------	NOT TAKEN
RIGHT THYROID/PR (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91345 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 185.6 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 9:58 PROSECTOR: DONIA MEYER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91346 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 06/11/99 STUDY DAY OF DEATH: 502 STUDY WEEK OF DEATH: 72 TERMINAL BODY WEIGHT: 272.8 GRAMS
DATE AND TIME OF NECROPSY: 06/11/99 9:54 PROSECTOR: MICHELE MARGGI RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: NOT OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>SKIN & PELAGE; RED HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 4 X 3 MM; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		-PYELONEPHRITIS,-MINIMAL, MULTI-FOCAL
>EYES; CLEAR DISCHARGE; EYES; VERIFIED AT NECROPSY: NOT OBSERVED	OVARY (OV) : -CYST(S); BILATERAL: SINGLE CLEAR FLUID FILLED CYST ON EACH, LEFT IS 2 MM IN DIAMETER, RIGHT IS 4 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE		
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		THYMUS (TH) : -CYST,-PRESENT
		LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT, FOCAL
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 10 X 9 X 8 MM, RED, DARK RED, TAN, AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91346 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
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DATE AND TIME OF NECROPSY: 06/11/99 9:54 PROSECTOR: MICHELE MARGGI RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN FOCI, PINPOINT AND UP TO 1 MM IN DIAMETER GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; YELLOW MOIST MATERIAL -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: RED DRY MATERIAL -STAINS - SKIN/HAIRCOAT; ENTIRE VENTRAL SURFACE: DARK RED AND BROWN CRUSTED MATERIAL	STOMACH, GL (ST) : >UNREMARKABLE CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91346 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 06/11/99 STUDY DAY OF DEATH: 502 STUDY WEEK OF DEATH: 72 TERMINAL BODY WEIGHT: 272.8 GRAMS
DATE AND TIME OF NECROPSY: 06/11/99 9:54 PROSECTOR: MICHELE MARGGI RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91347 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 290.7 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 11:55 PROSECTOR: KIMBERLY DURLAND RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0292	.0100 %	.0138	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0302	.0104 %	.0143	WEIGHT TAKEN
BRAIN (BR)	2.1108	.7261 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.4951	.5143 %	.7083	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.5305	.5265 %	.7251	WEIGHT TAKEN
LIVER (LI)	16.7366	5.7573 %	7.9290	WEIGHT TAKEN
LUNG (LU)	1.5430	.5308 %	.7310	WEIGHT TAKEN
LEFT OVARY (OV0)	.0923	.0318 %	.0437	WEIGHT TAKEN
RIGHT OVARY (OV1)	.1046	.0360 %	.0496	WEIGHT TAKEN
SPLEEN (SP)	.3956	.1361 %	.1874	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0154	.0053 %	.0073	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0085	.0029 %	.0040	WEIGHT TAKEN
UTERUS (UT)	1.5954	.5488 %	.7558	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

LIVER (LI) :
-LIGHT FOCUS(I)/AREA(S); LEFT LATERAL LOBE: SINGLE TAN, SLIGHTLY RAISED FOCUS, 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION

HISTOPATHOLOGY

LIVER (LI) :
-FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MODERATELY SEVERE, FOCAL
-HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL
-NECROSIS, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL
THYROID (TY) :
-CYST, ULTIMOBRANCHIAL,-PRESENT
STOMACH, GL (ST) :
-EROSION,-SLIGHT, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91347 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 290.7 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 11:55 PROSECTOR: KIMBERLY DURLAND RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN AREAS, PINPOINT AND UP TO 3 X 1 MM	
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91347 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 290.7 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 11:55 PROSECTOR: KIMBERLY DURLAND RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91348 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 257.4 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 13:23 PROSECTOR: TONY HANFELD RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0446	.0173 %	.0219	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0342	.0133 %	.0168	WEIGHT TAKEN
BRAIN (BR)	2.0387	.7920 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.1265	.4376 %	.5526	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.1467	.4455 %	.5625	WEIGHT TAKEN
LIVER (LI)	17.0849	6.6375 %	8.3803	WEIGHT TAKEN
LUNG (LU)	1.7072	.6632 %	.8374	WEIGHT TAKEN
LEFT OVARY (OV0)	.0846	.0329 %	.0415	WEIGHT TAKEN
RIGHT OVARY (OV1)	.1174	.0456 %	.0576	WEIGHT TAKEN
SPLEEN (SP)	.5881	.2285 %	.2885	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0100	.0039 %	.0049	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0073	.0028 %	.0036	WEIGHT TAKEN
UTERUS (UT)	.7012	.2724 %	.3439	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
	LN, MESENTERIC (MS) : -DIFFUSELY RED	LN, MESENTERIC (MS) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL OVARY (OV) : -CYST,-PRESENT -HEMORRHAGE,-SLIGHT, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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DATE AND TIME OF NECROPSY: 01/27/99 13:23 PROSECTOR: TONY HANFELD RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LUNG (LU) : -LIGHT FOCUS(I)/AREA(S); ALL LOBES, DIFFUSE: MULTIPLE TAN AREAS, UP TO 5 X 2 MM	LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT, MULTI-FOCAL -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL, FOCAL
		THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); RIGHT POSTERIOR ASPECT: SINGLE DARK RED AREA, 1 MM IN DIAMETER	PITUITARY (PI) : >UNREMARKABLE
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE, PINPOINT FOCI	STOMACH, GL (ST) : >UNREMARKABLE
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL UPPER INCISORS -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91348 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 257.4 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 13:23 PROSECTOR: TONY HANFELD RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91349 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/11/99 STUDY DAY OF DEATH: 410 STUDY WEEK OF DEATH: 59 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/11/99 15:09 PROSECTOR: DENNIS HOFFMAN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: NOT OBSERVED	LIVER (LI) : -DIFFUSELY DARK; ALL LOBES: BROWN LN, MESENTERIC (MS) : -MOTTLED; DIFFUSE: RED AND TAN LUNG (LU) : -UNCOLLAPSED; ALL LOBES GENERAL COMMENT (GC) : -DISCHARGE-NASAL; DARK RED MOIST MATERIAL -MALOCCLUSION; BILATERAL: UPPER INCISORS -STAINS - SKIN/HAIRCOAT; ENTIRE VENTRAL SURFACE AND TAIL, DRY BROWN AND RED MATERIAL	LIVER (LI) : -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL, MULTI-FOCAL -NECROSIS, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT, DIFFUSE LN, MESENTERIC (MS) : >UNREMARKABLE THYMUS (TH) : -CYST,-PRESENT LUNG (LU) : >UNREMARKABLE CAUSE OF DEATH (CD) : -UNDETERMINED,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91349 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/11/99 STUDY DAY OF DEATH: 410 STUDY WEEK OF DEATH: 59 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/11/99 15:09 PROSECTOR: DENNIS HOFFMAN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91350 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 178.0 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 8:37 PROSECTOR: DONIA MEYER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	6.4865	3.6441 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LEFT OVARY (OV0)	--------	--------	--------	NOT TAKEN
RIGHT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT THYROID/PAR (TT0)	--------	--------	--------	NOT TAKEN
RIGHT THYROID/PR (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91350 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 178.0 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 8:37 PROSECTOR: DONIA MEYER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91351 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/01/99 STUDY DAY OF DEATH: 645 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 374.4 GRAMS
DATE AND TIME OF NECROPSY: 11/01/99 9:58 PROSECTOR: CHANESTA ACKER RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 84; 15 X 15MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	>UNREMARKABLE
>SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) :	LIVER (LI) :
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE	-LIGHT FOCUS(I)/AREA(S); VISCERAL SURFACE OF LEFT LATERAL AND AT JUNCTION OF MEDIAN LOBES: MULTIPLE TAN AREAS, UP TO 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	-HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL
		-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		-VACUOLATION, HEPATOCELLULAR,-MODERATE, FOCAL
		-B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT
>SKIN & PELAGE; SORE/SCAB; LATERAL-THORACIC-RIGHT; VERIFIED AT NECROPSY: OBSERVED		ADRENAL, CORTEX (AC) :
		-ANGIECTASIS,-SLIGHT, FOCAL
		-HEMORRHAGE,-MINIMAL, FOCAL
		THYMUS (TH) :
		-CYST,-PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 10 X 8 X 5 MM, DARK RED, TAN AND SOFT	-B-ADENOMA,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) :
		-HEMORRHAGE,-MODERATE, MULTI-FOCAL
		-M-CARCINOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91351 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/01/99 STUDY DAY OF DEATH: 645 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 374.4 GRAMS
DATE AND TIME OF NECROPSY: 11/01/99 9:58 PROSECTOR: CHANESTA ACKER RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 21 X 19 X 12 MM, RED, DARK RED, TAN AND SOFT; SAME ON CUT SURFACE (CAP 21); REGIONAL LN (SEE AXILLARY); OVERLYING SKIN HAS A SINGLE DARK RED, MOIST ULCERATED AREA, 13 X 11 X 5 MM; COLLECTED INTACT WITH MASS -THICKENED; ALL REGIONS, DIFFUSE: TAN; COLLECTED ON ROUTINE SECTION	
	UTERUS (UT) : -LUMEN FILLED WITH FLUID; BILATERAL: CLEAR FLUID	UTERUS (UT) : >UNREMARKABLE
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; LEFT: DARK RED (CAP 23)	LN, MANDIBULAR (MN) : >UNREMARKABLE
	LN, AXILLARY (AX) : -MOTTLED; RIGHT: RED AND TAN (CAP 22) -DIFFUSELY RED; LEFT: DARK RED (CAP 22)	LN, AXILLARY (AX) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91351 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/01/99 STUDY DAY OF DEATH: 645 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 374.4 GRAMS
DATE AND TIME OF NECROPSY: 11/01/99 9:58 PROSECTOR: CHANESTA ACKER RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91352 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 383.6 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 11:00 PROSECTOR: WENDY CHERRY RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0393	.0102 %	.0176	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0309	.0081 %	.0138	WEIGHT TAKEN
BRAIN (BR)	2.2330	.5821 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.6710	.4356 %	.7483	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.7530	.4570 %	.7850	WEIGHT TAKEN
LIVER (LI)	24.5163	6.3911 %	10.9791	WEIGHT TAKEN
LUNG (LU)	1.6006	.4173 %	.7168	WEIGHT TAKEN
LEFT OVARY (OV0)	.0683	.0178 %	.0306	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0809	.0211 %	.0362	WEIGHT TAKEN
SPLEEN (SP)	.6160	.1606 %	.2759	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0146	.0038 %	.0065	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0174	.0045 %	.0078	WEIGHT TAKEN
UTERUS (UT)	1.3902	.3624 %	.6226	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-DEGENERATION, CYSTIC,-MINIMAL, FOCAL
-HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL
-NECROSIS, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL
-STASIS, BILE,-MINIMAL, MULTI-FOCAL
KIDNEY (KD) :
-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91352 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 383.6 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 11:00 PROSECTOR: WENDY CHERRY RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		KIDNEY (KD) : -MINERALIZATION, TUBULAR,-MINIMAL, MULTI-FOCAL THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT -B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT PARATHYROID (PT) : >SECTION EXAMINED; TISSUE NOT PRESENT
	PITUITARY (PI) : -MASS(ES); 8 X 6 X 5 MM, DARK RED, TAN AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91352 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 383.6 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 11:00 PROSECTOR: WENDY CHERRY RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91353 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 316.4 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 13:49 PROSECTOR: WENDY CHERRY RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0281	.0089 %	.0117	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0313	.0099 %	.0130	WEIGHT TAKEN
BRAIN (BR)	2.4047	.7600 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.4217	.4493 %	.5912	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.4900	.4709 %	.6196	WEIGHT TAKEN
LIVER (LI)	17.4901	5.5278 %	7.2733	WEIGHT TAKEN
LUNG (LU)	1.7296	.5466 %	.7193	WEIGHT TAKEN
LEFT OVARY (OV0)	.0924	.0292 %	.0384	WEIGHT TAKEN
RIGHT OVARY (OV1)	.1090	.0345 %	.0453	WEIGHT TAKEN
SPLEEN (SP)	.5484	.1733 %	.2281	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0170	.0054 %	.0071	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0262	.0083 %	.0109	WEIGHT TAKEN
UTERUS (UT)	.7222	.2283 %	.3003	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	OVARY (OV) : -CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 3 MM IN DIAMETER STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE BLACK AREAS, UP TO 2 X 1 MM	OVARY (OV) : -CYST,-PRESENT THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT STOMACH, GL (ST) : >UNREMARKABLE CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91353 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 316.4 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 13:49 PROSECTOR: WENDY CHERRY RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	TAIL (TI) : -RAISED AREA(S); ALONG ENTIRE LENGTH: MULTIPLE BROWN AREAS, UP TO 4 X 3 X 2 MM; SOME CONTAIN A GREEN, CASEOUS SEMISOLID; COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	TAIL (TI) : -CYST, EPIDERMAL INCLUSION,-PRESENT -INFLAMMATION, ACUTE,-MODERATELY SEVERE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91353 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 316.4 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 13:49 PROSECTOR: WENDY CHERRY RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91354 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/27/99 STUDY DAY OF DEATH: 610 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: 211.9 GRAMS
DATE AND TIME OF NECROPSY: 09/27/99 11:27 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; RED HAIR COAT; LIMBS-FRONT; VERIFIED AT NECROPSY: OBSERVED >BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE >APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE >SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LUNG (LU) : -LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN AREAS, UP TO 5 MM IN DIAMETER PITUITARY (PI) : -MASS(ES); 8 X 8 X 4 MM, RED, DARK RED, TAN AND SOFT	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-SEVERE, FOCAL KIDNEY (KD) : -MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MINIMAL, MULTI-FOCAL -HEMORRHAGE,-MINIMAL, MULTI-FOCAL THYMUS (TH) : -CYST,-PRESENT LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT, MULTI-FOCAL PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL STOMACH, GL (ST) : -EDEMA,-MODERATE, DIFFUSE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91354 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/27/99 STUDY DAY OF DEATH: 610 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: 211.9 GRAMS
DATE AND TIME OF NECROPSY: 09/27/99 11:27 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: SINGLE TAN, WHITE ERODED AREA, 5 MM IN DIAMETER	STOMACH, NONGL (SU) : -EDEMA,-MODERATE, DIFFUSE -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -INFLAMMATION, ACUTE,-MINIMAL, MULTI-FOCAL -ULCERATION,-MODERATELY SEVERE, FOCAL MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL URINARY BLADDER (UB) : -INFLAMMATION, CHRONIC,-MINIMAL, FOCAL CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT LN, MEDIASTINAL (ML) : -INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT, MULTI-FOCAL >NOTE:>MEDIASTINAL LYMPH NODE WAS PRESENT ON THYMUS SLIDE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-NASAL; RED, DRY MATERIAL -STAINS - SKIN/HAIRCOAT; ENTIRE VENTRAL SURFACE AND FRONT LIMBS: YELLOW AND MOIST MATERIAL AND RED, DRY MATERIAL -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91354 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/27/99 STUDY DAY OF DEATH: 610 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: 211.9 GRAMS
DATE AND TIME OF NECROPSY: 09/27/99 11:27 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91355 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 253.0 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 13:08 PROSECTOR: DONIA MEYER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0352	.0139 %	.0187	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0304	.0120 %	.0162	WEIGHT TAKEN
BRAIN (BR)	1.8820	.7439 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.1065	.4374 %	.5879	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.1411	.4510 %	.6063	WEIGHT TAKEN
LIVER (LI)	10.1791	4.0234 %	5.4087	WEIGHT TAKEN
LUNG (LU)	1.1450	.4526 %	.6084	WEIGHT TAKEN
LEFT OVARY (OV0)	.0538	.0213 %	.0286	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0520	.0206 %	.0276	WEIGHT TAKEN
SPLEEN (SP)	.3082	.1218 %	.1638	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0109	.0043 %	.0058	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0082	.0032 %	.0044	WEIGHT TAKEN
UTERUS (UT)	.5800	.2292 %	.3082	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

OVARY (OV) :
-HEMORRHAGE,-MODERATE, FOCAL
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91356 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 280.1 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 8:19 PROSECTOR: JAMES T. CALLEN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: NOT OBSERVED >APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 2 X 1 MM; COLLECTED ON ROUTINE SECTIONS KIDNEY (KD) : -DIFFUSELY LIGHT; BILATERAL: TAN -CYST(S); BILATERAL, DIFFUSE: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 2 MM IN DIAMETER OVARY (OV) : -CYST(S); LEFT: SINGLE GREEN FLUID FILLED CYST, 5 MM IN DIAMETER	LIVER (LI) : >UNREMARKABLE KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-SEVERE, DIFFUSE PANCREAS (PA) : -ATROPHY, ACINAR,-SLIGHT, FOCAL ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT, MULTI-FOCAL -DEGENERATION, CYSTIC, CORTICAL,-MODERATELY SEVERE, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL OVARY (OV) : -MINERALIZATION,-SLIGHT, MULTI-FOCAL -PIGMENTED,-MODERATELY SEVERE, FOCAL -THROMBUS,-SEVERE, FOCAL THYMUS (TH) : -CYST,-PRESENT PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91356 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 280.1 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 8:19 PROSECTOR: JAMES T. CALLEN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); ALL REGIONS, DIFFUSE: MULTIPLE DARK RED AREAS, UP TO 2 X 1 MM -LARGE; 7 X 6 X 4 MM	
		MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATE, MULTI-FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT
	UTERUS (UT) : -CYST(S); WITHIN WALLS OF RIGHT HORN: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 3 MM IN DIAMETER	UTERUS (UT) : -DILATATION,-MODERATE, FOCAL -B-POLYP, ENDOMETRIAL, STROMAL,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91356 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 280.1 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 8:19 PROSECTOR: JAMES T. CALLEN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91357 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 298.0 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 8:12 PROSECTOR: JARED FISHEL RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : -HYPERPLASIA, BILE DUCT,-SLIGHT, MULTI-FOCAL -HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL -INFLAMMATION, CHRONIC,-SLIGHT, MULTI-FOCAL -VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL -B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT
		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, FOCAL
	ADRENAL, CORTEX (AC) : -LARGE; LEFT: 10 MM IN DIAMETER (RIGHT IS 4 X 3 X 3 MM)	ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-SEVERE, FOCAL -HEMORRHAGE,-MINIMAL, MULTI-FOCAL
	OVARY (OV) : -CYST(S); LEFT: SINGLE CLEAR FLUID FILLED CYST, 4 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT
		BONE, STERNUM (SB) : -HYPERPLASIA, CARTILAGE,-MODERATE, FOCAL
		THYMUS (TH) : -CYST,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 01/25/00 8:12 PROSECTOR: JARED FISHEL RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LUNG (LU) : -LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN AREAS, UP TO 6 X 5 MM	LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MODERATE, MULTI-FOCAL THYROID (TY) : -B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); MID ASPECT: SINGLE DARK RED, TAN AND SLIGHTLY RAISED AREA, 2 MM IN DIAMETER	PITUITARY (PI) : -CYST,-PRESENT -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -EROSION/ULCERATION; MUCOSA: MULTIPLE TAN ERODED AREAS, UP TO 3 X 1 MM	STOMACH, GL (ST) : >UNREMARKABLE
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	
	GENERAL INFORMATION (XX) : >NOTE:>ANIMAL IDENTIFICATION TRANSPONDER DAMAGED AT NECROPSY	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91357 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 298.0 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 8:12 PROSECTOR: JARED FISHEL RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91358 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/02/99 STUDY DAY OF DEATH: 523 STUDY WEEK OF DEATH: 75 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 07/02/99 9:30 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-CERVICAL-LEFT; WEEK 61; 50 X 40MM; VERIFIED AT NECROPSY: OBSERVED		EYE (EY) : -INFLAMMATION, ACUTE,-MODERATE, FOCAL
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED		SPLEEN (SP) : -PIGMENT, INCREASED,-MINIMAL, MULTI-FOCAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		OVARY (OV) : -PIGMENTED,-MINIMAL, MULTI-FOCAL
>SKIN & PELAGE; COLD TO TOUCH; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE		THYMUS (TH) : -CYST,-PRESENT
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		LUNG (LU) : -N-MAMMARY CARCINOMA,-NEOPLASM PRESENT
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED		PITUITARY (PI) : -PIGMENT,-MINIMAL, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		STOMACH, GL (ST) : -EDEMA,-MODERATE, MULTI-FOCAL -EROSION,-MODERATE, MULTI-FOCAL
	MAMMARY, FEMALE (MF) : -MASS(ES); VENTRAL CERVICAL REGION: SINGLE MASS, 70 X 35 X 30 MM, RED, DARK RED, TAN, LOBULATED AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (MANDIBULAR) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL -NECROSIS,-MODERATE, MULTI-FOCAL -M-CARCINOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91358 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/02/99 STUDY DAY OF DEATH: 523 STUDY WEEK OF DEATH: 75 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 07/02/99 9:30 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		UTERUS (UT) : -INFLAMMATION, ACUTE,-SLIGHT, FOCAL -PIGMENT,-MINIMAL, MULTI-FOCAL
		CAUSE OF DEATH (CD) : -MAMMARY CARCINOMA,-PRESENT
	LN, MANDIBULAR (MN) : -MISSING/NOT IDENTIFIED; NOT IDENTIFIED DUE TO MASS	LN, MANDIBULAR (MN) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL
		LN, MEDIASTINAL (ML) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL, MULTI-FOCAL >NOTE:>MEDIASTINAL LYMPH NODE WAS PRESENT ON THYMUS SECTION
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; DRY YELLOW MATERIAL -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY MATERIAL	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91358 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/02/99 STUDY DAY OF DEATH: 523 STUDY WEEK OF DEATH: 75 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 07/02/99 9:30 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
BRAIN (BR), LIVER (LI), KIDNEY (KD), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91359 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 07/25/99 STUDY DAY OF DEATH: 546 STUDY WEEK OF DEATH: 78 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 07/25/99 10:51 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -MOTTLED; ALL LOBES: DARK BROWN AND TAN	LIVER (LI) : -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL, MULTI-FOCAL -NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL, MULTI-FOCAL -PIGMENT, KUPFFER CELL,-MINIMAL, MULTI-FOCAL -VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE, MULTI-FOCAL ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE, FOCAL -VACUOLATION,-MINIMAL, MULTI-FOCAL
	OVARY (OV) : -MISSING/NOT IDENTIFIED; LEFT: MISSING AT TIME OF NECROPSY	OVARY (OV) : -ONE EXAMINED,-PRESENT
		PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT UTERUS (UT) : -DILATATION,-SEVERE, DIFFUSE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	UTERUS (UT) : -LARGE, DIFFUSE; BILATERAL, DIFFUSE: EACH IS 74 X 20 X 20 MM -SEMIFLUID MATERIAL; BILATERAL, WITHIN LUMEN: LARGE AMOUNTS OF DARK BROWN MUCOID SEMIFLUID MATERIAL	UTERUS (UT) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL CAUSE OF DEATH (CD) : -UNDETERMINED,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91360 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 328.8 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 7:32 PROSECTOR: TONY HANFELD RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -MOTTLED; ALL LOBES: RED AND TAN	LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MODERATELY SEVERE, FOCAL -HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR,-MODERATE, DIFFUSE -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL -VACUOLATION, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL
	OVARY (OV) : -CYST(S); BILATERAL: MULTIPLE CLEAR FLUID FILLED CYSTS ON EACH, UP TO 2 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT BONE, STERNUM (SB) : -HYPERPLASIA, CARTILAGE,-MODERATE, FOCAL THYMUS (TH) : -CYST,-PRESENT THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT -B-ADENOMA, C-CELL,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91360 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 328.8 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 7:32 PROSECTOR: TONY HANFELD RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PITUITARY (PI) : -CYST,-PRESENT -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT RECTUM (RE) : -PARASITISM,-PRESENT MAMMARY, FEMALE (MF) : -GALACTOCELE,-MINIMAL, MULTI-FOCAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -STAINS - SKIN/HAIRCOAT; ENTIRE HEAD: DRY RED MATERIAL -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91360 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 328.8 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 7:32 PROSECTOR: TONY HANFELD RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91361 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 338.6 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 8:07 PROSECTOR: TERRI L. WILLIAMS RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -MASS(ES); LEFT LATERAL LOBE: SINGLE MASS, 15 MM IN DIAMETER, RED, BROWN, TAN, AND FIRM; SAME ON CUT SURFACE; COLLECTED ON ROUTINE SECTION; REGIONAL LN (HEPATIC) NOT POSITIVELY IDENTIFIED (CAP 20)	LIVER (LI) : -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL -HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR,-SLIGHT, DIFFUSE -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL -VACUOLATION, HEPATOCELLULAR,-SEVERE, FOCAL -M-CARCINOMA, HEPATOCELLULAR,-NEOPLASM PRESENT KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-MODERATELY SEVERE, FOCAL -HEMORRHAGE,-MODERATE, FOCAL
	OVARY (OV) : -CYST(S); BILATERAL: LEFT HAS A SINGLE CLEAR FLUID FILLED CYST, 2 MM IN DIAMETER, RIGHT HAS A SINGLE RED FLUID FILLED CYST, 7 MM IN DIAMETER	OVARY (OV) : -HEMORRHAGE,-SEVERE, MULTI-FOCAL -PIGMENTED,-MODERATE, MULTI-FOCAL -THROMBUS,-SEVERE, FOCAL -B-GRANULOSA/THECA CELL TUMOR,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91361 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 338.6 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 8:07 PROSECTOR: TERRI L. WILLIAMS RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-MALOCCLUSION; BILATERAL, LOWER INCISORS
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

THYMUS (TH) :
-CYST,-PRESENT
LUNG (LU) :
-MINERALIZATION, VASCULAR,-SLIGHT, FOCAL
THYROID (TY) :
-CYST, ULTIMOBRANCHIAL,-PRESENT
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT
LN, OTHER (LN) :
>TISSUE MISSING
>NOTE:>HEPATIC LYMPH NODE NOT PRESENT ON SECTION

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91361 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 338.6 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 8:07 PROSECTOR: TERRI L. WILLIAMS RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91362 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 644.1 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 8:27 PROSECTOR: TERRI L. WILLIAMS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-LEFT; WEEK 85; 90 X 65MM; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: NOT OBSERVED >MASS(ES); AXILLARY REGION-RIGHT; WEEK 89; 50 X 40MM; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -LIGHT FOCUS(I)/AREA(S); AT JUNCTION OF RIGHT AND LEFT MEDIAN LOBES: SINGLE TAN AREA, 4 X 3 MM; COLLECTED ON ROUTINE SECTION -MOTTLED; ALL LOBES: RED, TAN AND BROWN -MASS(ES); DIAPHRAGMATIC SURFACE OF LEFT LATERAL LOBE: SINGLE MASS, 14 X 14 X 3 MM, RED AND FIRM; SAME ON CUT SURFACE; COLLECTED ON ROUTINE SECTION; REGIONAL LN (HEPATIC) NOT IDENTIFIED PITUITARY (PI) : -LARGE; 5 X 5 X 3 MM; APPEARS SWOLLEN	LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MODERATE, FOCAL -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL -VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL -B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT KIDNEY (KD) : -MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -VACUOLATION,-MINIMAL, MULTI-FOCAL OVARY (OV) : -MINERALIZATION,-MINIMAL, FOCAL PITUITARY (PI) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91362 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 644.1 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 8:27 PROSECTOR: TERRI L. WILLIAMS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-MINIMAL, FOCAL
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 40 X 35 X 14 MM, RED, TAN, SOFT AND LOBULATED; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 21) -MASS #2; LEFT AXILLARY REGION: SINGLE MASS, 90 X 70 X 55 MM (185.3 GRAMS) RED, DARK RED, TAN, FIRM, VASCULAR AND LOBULATED; SAME ON CUT SURFACE; PORTION COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 21)	MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, MANDIBULAR (MN) : -MOTTLED; BILATERAL: RED AND TAN (CAP 20)	LN, MANDIBULAR (MN) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91362 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 644.1 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 8:27 PROSECTOR: TERRI L. WILLIAMS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91363 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/29/99 STUDY DAY OF DEATH: 673 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 295.2 GRAMS
DATE AND TIME OF NECROPSY: 11/29/99 14:35 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) :	LIVER (LI) :
	-DIFFUSELY LIGHT; ALL LOBES: TAN	-HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL
>HOUSING,FOOD,WATER & MAINT.; TEETH CUT; VERIFIED AT NECROPSY: NOT APPLICABLE		-VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL
>SKIN & PELAGE; BROWN HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) :
		-CAST, PROTEINACEOUS,-SLIGHT, MULTI-FOCAL
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: NOT OBSERVED		-PYELONEPHRITIS,-SLIGHT, MULTI-FOCAL
	SPLEEN (SP) :	SPLEEN (SP) :
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	-LIGHT FOCUS(I)/AREA(S); NEAR EACH POLE: MULTIPLE GREY AREAS, UP TO 12 X 5 MM	>UNREMARKABLE
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED		LN, MESENTERIC (MS) :
		-DILATATION, SINUSOIDAL,-MINIMAL, MULTI-FOCAL
>RESPIRATION; AUDIBLE; VERIFIED AT NECROPSY: NOT APPLICABLE		-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
		PITUITARY (PI) :
		-CYST,-PRESENT
	STOMACH, GL (ST) :	STOMACH, GL (ST) :
	-DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE BROWN AREAS, UP TO 3 X 2 MM	-EROSION,-MODERATE, FOCAL
	VAGINA (VA) :	VAGINA (VA) :
	-SEMIFLUID MATERIAL; WITHIN LUMEN: LIGHT GREEN	>UNREMARKABLE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91363 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/29/99 STUDY DAY OF DEATH: 673 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 295.2 GRAMS
DATE AND TIME OF NECROPSY: 11/29/99 14:35 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAUSE OF DEATH (CD) : -UNDETERMINED,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: COLLECTED	LN, MANDIBULAR (MN) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; EXTENDING INTO ENTIRE ABDOMINAL REGION: DARK YELLOW AND BROWN -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL: LOWER INCISORS	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91363 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/29/99 STUDY DAY OF DEATH: 673 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 295.2 GRAMS
DATE AND TIME OF NECROPSY: 11/29/99 14:35 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91364 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/02/00 STUDY DAY OF DEATH: 707 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/02/00 9:23 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>DISCHARGE; NASAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED >EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LUNG (LU) : -LIGHT FOCUS(I)/AREA(S); DORSAL SURFACE OF LEFT LOBE AND RIGHT CAUDAL LOBE: MULTIPLE WHITE AREAS, UP TO 12 X 7 MM PITUITARY (PI) : -MASS(ES); 14 X 10 X 10 MM, RED, DARK RED, TAN AND SOFT	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -HEMORRHAGE,-MODERATE, FOCAL ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-SLIGHT, FOCAL THYMUS (TH) : -CYST,-PRESENT LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL, FOCAL THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL SKIN (SK) : -ATROPHY, ADNEXAL,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 01/02/00 9:23 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	SKIN (SK) : -ALOPECIA-FOCAL; RIGHT FLANK: SINGLE AREA, 35 X 18 MM; AREA ALSO HAS MULTIPLE TAN AND DRY CRUSTED AREAS, UP TO 3 X 2 MM; COLLECTED GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; DARK YELLOW AND MOIST -DISCHARGE-NASAL; DARK RED AND DRY -ANIMAL THIN	SKIN (SK) : -INFLAMMATION, CHRONIC,-MODERATELY SEVERE, MULTI-FOCAL MAMMARY, FEMALE (MF) : -GALACTOCELE,-MINIMAL, FOCAL CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91364 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
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DATE AND TIME OF NECROPSY: 01/02/00 9:23 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91365 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 240.4 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 13:59 PROSECTOR: TONY HANFELD RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0314	.0131 %	.0151	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0325	.0135 %	.0156	WEIGHT TAKEN
BRAIN (BR)	2.0802	.8653 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.1270	.4688 %	.5418	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.1918	.4958 %	.5729	WEIGHT TAKEN
LIVER (LI)	10.9570	4.5578 %	5.2673	WEIGHT TAKEN
LUNG (LU)	1.4156	.5889 %	.6805	WEIGHT TAKEN
LEFT OVARY (OV0)	.0533	.0222 %	.0256	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0604	.0251 %	.0290	WEIGHT TAKEN
SPLEEN (SP)	.4329	.1801 %	.2081	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0257	.0107 %	.0124	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0242	.0101 %	.0116	WEIGHT TAKEN
UTERUS (UT)	1.2583	.5234 %	.6049	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

STOMACH, GL (ST) :
-DARK FOCUS(I)/AREA(S); MUCOSA: SINGLE BROWN FOCUS, 1 MM IN DIAMETER
UTERUS (UT) :
-THICKENED WALL; BILATERAL, DIFFUSE

HISTOPATHOLOGY

LIVER (LI) :
-VACUOLATION, HEPATOCELLULAR,-MINIMAL, FOCAL
HARDERIAN GLAND (HG) :
-INFLAMMATION, CHRONIC,-MINIMAL, FOCAL
STOMACH, GL (ST) :
>UNREMARKABLE
UTERUS (UT) :
-DILATATION,-MINIMAL, DIFFUSE
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91365 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 240.4 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 13:59 PROSECTOR: TONY HANFELD RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91366 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/17/99 STUDY DAY OF DEATH: 600 STUDY WEEK OF DEATH: 86 TERMINAL BODY WEIGHT: 319.5 GRAMS
DATE AND TIME OF NECROPSY: 09/17/99 14:27 PROSECTOR: MICHELE MARGGI RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 74; 30 X 30MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
		-DILATATION, VENTRICULAR,-PRESENT
>MASS(ES); INGUINAL REGION-LEFT; WEEK 80; 35 X 30MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) :
		-VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: NOT OBSERVED		PANCREAS (PA) :
		-ATROPHY, ACINAR,-MINIMAL, FOCAL
		OVARY (OV) :
		-HEMORRHAGE,-MINIMAL, FOCAL
		LUNG (LU) :
		-INFLAMMATION, CHRONIC,-MINIMAL, FOCAL
		-INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL, FOCAL
		THYROID (TY) :
		-B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT
	PARATHYROID (PT) :	PARATHYROID (PT) :
	-LARGE; LEFT: 4 MM IN DIAMETER (RIGHT IS 1 MM IN DIAMETER)	>UNREMARKABLE
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); SINGLE MASS, 10 X 10 X 7 MM, DARK RED, TAN, GREY AND SOFT	-HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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DATE AND TIME OF NECROPSY: 09/17/99 14:27 PROSECTOR: MICHELE MARGGI RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 35 X 25 X 15 MM, RED, DARK RED, TAN, VASCULAR, AND SOFT; ON SECTION EXUDES A DARK BROWN SEMIFLUID; COLLECTED; REGIONAL LN (INGUINAL) NORMAL (CAP 21) -MASS #2; LEFT PERINEUM REGION, EXTENDING TO ANUS: SINGLE MASS, 40 X 30 X 20 MM, TAN, GREY, BROWN, AND SOFT; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (LUMBAR) NORMAL (CAP 22); POSSIBLY CONSISTENT WITH MASS (VENTRAL-ABDOMINAL-LEFT) AS NOTED IN CLINICAL OBSERVATIONS	MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATE, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT
	UTERUS (UT) : -CYST(S); LEFT, WITHIN LUMEN: SINGLE CLEAR FLUID FILLED CYST, 4 X 2 X 2 MM	UTERUS (UT) : >UNREMARKABLE
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	TAIL (TI) : -CRUSTED AREA(S); ALONG ENTIRE LENGTH: MULTIPLE DARK BROWN CRUSTED AREAS, UP TO 2 X 1 MM; SOME AREAS EXUDE A LIGHT GREEN CASEOUS MATERIAL; COLLECTED	TAIL (TI) : -CYST, EPIDERMAL INCLUSION,-PRESENT -INFLAMMATION, ACUTE,-MODERATELY SEVERE, FOCAL
		LN, INGUINAL (IN) : >TISSUE MISSING
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91366 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
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DATE AND TIME OF NECROPSY: 09/17/99 14:27 PROSECTOR: MICHELE MARGGI RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), KIDNEY (KD), SPLEEN (SP), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN), LN, LUMBAR/ILIAC (LM)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91367 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 307.8 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 11:16 PROSECTOR: JODI THIEREN RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0398	.0129 %	.0186	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0388	.0126 %	.0182	WEIGHT TAKEN
BRAIN (BR)	2.1356	.6938 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.7518	.5691 %	.8203	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.8977	.6165 %	.8886	WEIGHT TAKEN
LIVER (LI)	17.4093	5.6560 %	8.1519	WEIGHT TAKEN
LUNG (LU)	1.7508	.5688 %	.8198	WEIGHT TAKEN
LEFT OVARY (OV0)	.0740	.0240 %	.0347	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0761	.0247 %	.0356	WEIGHT TAKEN
SPLEEN (SP)	.5978	.1942 %	.2799	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0128	.0042 %	.0060	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0122	.0040 %	.0057	WEIGHT TAKEN
UTERUS (UT)	1.3167	.4278 %	.6165	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-MINIMAL, MULTI-FOCAL -FIBROSIS,-MINIMAL, MULTI-FOCAL PITUITARY (PI) : -CYST,-PRESENT
	UTERUS (UT) : -LUMEN FILLED WITH FLUID; BILATERAL: CLEAR FLUID	UTERUS (UT) : >UNREMARKABLE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91367 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 307.8 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 11:16 PROSECTOR: JODI THIEREN RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL, UPPER INCISORS -BONE MARROW SMEAR TAKEN -TEETH MISSING/BROKEN/WORN; BROKEN, UPPER LEFT INCISOR	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91367 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 307.8 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 11:16 PROSECTOR: JODI THIEREN RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91368 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 270.6 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 14:14 PROSECTOR: GREGORY CODDINGTON RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0410	.0152 %	.0194	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0431	.0159 %	.0204	WEIGHT TAKEN
BRAIN (BR)	2.1117	.7804 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.2641	.4671 %	.5986	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.4674	.5423 %	.6949	WEIGHT TAKEN
LIVER (LI)	19.0978	7.0576 %	9.0438	WEIGHT TAKEN
LUNG (LU)	1.4081	.5204 %	.6668	WEIGHT TAKEN
LEFT OVARY (OV0)	.0759	.0280 %	.0359	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0568	.0210 %	.0269	WEIGHT TAKEN
SPLEEN (SP)	.4751	.1756 %	.2250	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0120	.0044 %	.0057	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0160	.0059 %	.0076	WEIGHT TAKEN
UTERUS (UT)	1.0793	.3989 %	.5111	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

KIDNEY (KD) :
-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
ADRENAL, CORTEX (AC) :
-DEGENERATION, CYSTIC, CORTICAL,-MINIMAL, MULTI-FOCAL
THYROID (TY) :
-CYST, ULTIMOBRANCHIAL,-PRESENT
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91368 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 270.6 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 14:14 PROSECTOR: GREGORY CODDINGTON RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91369 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/21/99 STUDY DAY OF DEATH: 512 STUDY WEEK OF DEATH: 74 TERMINAL BODY WEIGHT: 448.4 GRAMS
DATE AND TIME OF NECROPSY: 06/21/99 14:00 PROSECTOR: DENNIS HOFFMAN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 45; 55 X 55MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>MASS(ES); AXILLARY REGION-LEFT; WEEK 63; 20 X 25MM; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -LARGE; ALL LOBES: MARGINS APPEAR ROUNDED	LIVER (LI) : -HEMATOPOIESIS, EXTRAMEDULLARY,-SLIGHT, MULTI-FOCAL
>MASS(ES); VENTRAL-THORACIC-LEFT; WEEK 67; 20 X 20MM; VERIFIED AT NECROPSY: OBSERVED	-DIFFUSELY DARK; ALL LOBES: DARK BROWN	KIDNEY (KD) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
	SPLEEN (SP) : -LARGE; 60 X 13 X 8 MM	SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATELY SEVERE, MULTI-FOCAL
		ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-MODERATE, MULTI-FOCAL -FIBROSIS,-SLIGHT, MULTI-FOCAL
		THYMUS (TH) : -CYST,-PRESENT
	PITUITARY (PI) : -MASS(ES); 8 X 6 X 5 MM, RED, DARK RED, TAN AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91369 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/21/99 STUDY DAY OF DEATH: 512 STUDY WEEK OF DEATH: 74 TERMINAL BODY WEIGHT: 448.4 GRAMS
DATE AND TIME OF NECROPSY: 06/21/99 14:00 PROSECTOR: DENNIS HOFFMAN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

MAMMARY, FEMALE (MF) :
-MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 63 X 57 X 45 MM, RED, DARK RED, TAN, BROWN, FIRM AND LOBULATED; SAME ON CUT SURFACE; OVERLYING SKIN HAS MULTIPLE DRY RED AND BROWN CRUSTED AREAS, UP TO 45 X 25 MM (CAP 20); REGIONAL LN (AXILLARY) NORMAL (CAP 21)
-MASS #2; RIGHT AXILLARY REGION, EXTENDS TO VENTRAL THORACIC REGION: SINGLE MASS, 37 X 23 X 12, RED, TAN, BROWN, FIRM AND LOBULATED; SAME ON CUT SURFACE (CAP 22); REGIONAL LN (AXILLARY) NORMAL (CAP 21)
-MASS #3; LEFT AXILLARY REGION, CAUDAL TO MASS #2: SINGLE MASS, 20 X 14 X 8 MM, RED, TAN, FIRM AND LOBULATED; SAME ON CUT SURFACE (CAP 23); REGIONAL LN (AXILLARY) NORMAL (CAP 21)
-MASS #4; LEFT INGUINAL REGION: SINGLE MASS, 33 X 21 X 14 MM, RED, DARK RED, TAN, WHITE, FIRM AND LOBULATED; SAME ON CUT SURFACE (CAP 24); REGIONAL LN (INGUINAL) NOT IDENTIFIED

HISTOPATHOLOGY

SKIN (SK) :
-ULCERATION,-MODERATE, FOCAL
MAMMARY, FEMALE (MF) :
-GALACTOCELE,-MODERATE, MULTI-FOCAL
-HEMORRHAGE,-MODERATE, MULTI-FOCAL
-INFLAMMATION, ACUTE,-MODERATE, MULTI-FOCAL
-MINERALIZATION,-MODERATE, MULTI-FOCAL
-NECROSIS,-MODERATELY SEVERE, MULTI-FOCAL
-PIGMENT,-SLIGHT, MULTI-FOCAL
-M-CARCINOMA,- 4 NEOPLASMS PRESENT

CAUSE OF DEATH (CD) :
-MAMMARY CARCINOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91369 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/21/99 STUDY DAY OF DEATH: 512 STUDY WEEK OF DEATH: 74 TERMINAL BODY WEIGHT: 448.4 GRAMS
DATE AND TIME OF NECROPSY: 06/21/99 14:00 PROSECTOR: DENNIS HOFFMAN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS | NECROPSY | HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91370 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 209.2 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 9:25 PROSECTOR: TODD ACKER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0375	.0179 %	.0217	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0361	.0173 %	.0209	WEIGHT TAKEN
BRAIN (BR)	1.7300	.8270 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	.7688	.3675 %	.4444	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	.7898	.3775 %	.4565	WEIGHT TAKEN
LIVER (LI)	9.3806	4.4840 %	5.4223	WEIGHT TAKEN
LUNG (LU)	.9689	.4631 %	.5601	WEIGHT TAKEN
LEFT OVARY (OV0)	.0502	.0240 %	.0290	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0563	.0269 %	.0325	WEIGHT TAKEN
SPLEEN (SP)	.4589	.2194 %	.2653	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0071	.0034 %	.0041	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0066	.0032 %	.0038	WEIGHT TAKEN
UTERUS (UT)	.5249	.2509 %	.3034	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

LIVER (LI) :
-HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR,-SLIGHT, DIFFUSE
-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91370 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 209.2 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 9:25 PROSECTOR: TODD ACKER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91371 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 380.0 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 11:01 PROSECTOR: KIMBERLY DURLAND RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0370	.0097 %	.0163	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0357	.0094 %	.0158	WEIGHT TAKEN
BRAIN (BR)	2.2665	.5964 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.8602	.4895 %	.8207	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.8759	.4937 %	.8277	WEIGHT TAKEN
LIVER (LI)	17.1837	4.5220 %	7.5816	WEIGHT TAKEN
LUNG (LU)	1.7414	.4583 %	.7683	WEIGHT TAKEN
LEFT OVARY (OV0)	.0631	.0166 %	.0278	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0662	.0174 %	.0292	WEIGHT TAKEN
SPLEEN (SP)	.6717	.1768 %	.2964	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0236	.0062 %	.0104	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0190	.0050 %	.0084	WEIGHT TAKEN
UTERUS (UT)	1.4559	.3831 %	.6424	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>MASS(ES); AXILLARY REGION-RIGHT; WEEK 52; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL
KIDNEY (KD) :
-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
THYROID (TY) :
-CYST, ULTIMOBRANCHIAL,-PRESENT
PITUITARY (PI) :
-B-ADENOMA,-NEOPLASM PRESENT
MAMMARY, FEMALE (MF) :
-GALACTOCELE,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91371 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 380.0 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 11:01 PROSECTOR: KIMBERLY DURLAND RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE TAN AND WHITE CREAMY SEMIFLUID FILLED CYSTS, TO 7 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION; POSSIBLY CONSISTENT WITH MASS (RIGHT AXILLARY REGION) NOTED IN CLINICAL OBSERVATIONS	
		UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,- SLIGHT, MULTI-FOCAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT LN, MEDIASTINAL (ML) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -INFILTRATE, MACROPHAGE, PIGMENTED,- SLIGHT, MULTI-FOCAL >NOTE:>MEDIASTINAL LYMPH NODE WAS PRESENT ON THYMUS SECTION
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN GENERAL INFORMATION (XX) : >NOTE:>ANIMAL IDENTIFICATION TRANSPONDER DAMAGED AT NECROPSY	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91371 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FOURTH INTERIM SACRIFICE
DATE OF DEATH: 01/27/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 380.0 GRAMS
DATE AND TIME OF NECROPSY: 01/27/99 11:01 PROSECTOR: KIMBERLY DURLAND RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91372 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 358.3 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 10:16 PROSECTOR: JODI THIEREN RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE AREAS, UP TO 2 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	EYE (EY) : -HYPERPLASIA, CORNEAL EPITHELIUM,-SLIGHT, FOCAL BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL -THROMBUS,-MINIMAL, FOCAL KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL THYMUS (TH) : -CYST,-PRESENT THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 358.3 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 10:16 PROSECTOR: JODI THIEREN RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 8 X 8 X 4 MM, RED, DARK RED, GRAY, TAN, AND FIRM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) : -GALACTOCELE,-MINIMAL, MULTI-FOCAL
	UTERUS (UT) : -CYST(S); BILATERAL, WITHIN LUMEN: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 5 MM IN DIAMETER	UTERUS (UT) : -DILATATION,-MODERATE, DIFFUSE
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL, LOWER INCISORS -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91372 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/26/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 358.3 GRAMS
DATE AND TIME OF NECROPSY: 01/26/00 10:16 PROSECTOR: JODI THIEREN RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91373 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/17/99 STUDY DAY OF DEATH: 477 STUDY WEEK OF DEATH: 69 TERMINAL BODY WEIGHT: 256.2 GRAMS
DATE AND TIME OF NECROPSY: 05/17/99 16:03 PROSECTOR: NANCY DIEDRICH RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		-DILATATION, VENTRICULAR,-PRESENT
		-HEMORRHAGE,-MODERATE, FOCAL
>SKIN & PELAGE; RED HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) :	LIVER (LI) :
	-LARGE; ALL LOBES: THICKENED	-VACUOLATION, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED	-MOTTLED; ALL LOBES: DARK BROWN AND TAN	
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	KIDNEY (KD) :	KIDNEY (KD) :
	-MOTTLED; BILATERAL: BROWN AND TAN	-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE		SPLEEN (SP) :
		-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE, MULTI-FOCAL
	OVARY (OV) :	OVARY (OV) :
	-CYST(S); BILATERAL: SINGLE CLEAR FLUID FILLED CYST ON EACH; EACH IS 8 MM IN DIAMETER	>UNREMARKABLE
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 13 X 8 X 8 MM, RED, DARK RED, GRAY AND SOFT	-HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, NONGL (SU) :	STOMACH, NONGL (SU) :
	-EROSION/ULCERATION; MUCOSA: MULTIPLE TAN ERODED AREAS, UP TO 4 X 2 MM	-EDEMA,-MODERATE, FOCAL
		-EROSION,-MODERATELY SEVERE, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91373 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/17/99 STUDY DAY OF DEATH: 477 STUDY WEEK OF DEATH: 69 TERMINAL BODY WEIGHT: 256.2 GRAMS
DATE AND TIME OF NECROPSY: 05/17/99 16:03 PROSECTOR: NANCY DIEDRICH RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, NONGL (SU) : -THICKENED WALL; MUCOSA MAMMARY, FEMALE (MF) : -CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE TAN, CREAMY SEMIFLUID FILLED CYSTS, UP TO 5 MM IN DIAMETER (CAP 20) -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM (CAP 21) VAGINA (VA) : -SEMIFLUID MATERIAL; LIGHT GREEN AND MUCOID LN, MANDIBULAR (MN) : -MOTTLED; BILATERAL: DARK RED AND TAN (CAP 22) GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; YELLOWISH, BROWN AND MOIST -BLOOD FILM TAKEN -DISCHARGE-NASAL; RED AND DRY -STAINS - SKIN/HAIRCOAT; ABDOMEN, CHEST AND HEAD: DARK RED AND DRY -ANIMAL THIN	STOMACH, NONGL (SU) : -INFLAMMATION, ACUTE,-MODERATE, FOCAL MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATE, MULTI-FOCAL -MINERALIZATION,-MINIMAL, MULTI-FOCAL -M-CARCINOMA,-NEOPLASM PRESENT VAGINA (VA) : >UNREMARKABLE CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT LN, MANDIBULAR (MN) : >UNREMARKABLE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91373 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
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DATE AND TIME OF NECROPSY: 05/17/99 16:03 PROSECTOR: NANCY DIEDRICH RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91374 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/06/99 STUDY DAY OF DEATH: 680 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: 235.7 GRAMS
DATE AND TIME OF NECROPSY: 12/06/99 13:23 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>WART LIKE LESION(S); TAIL-PROXIMAL; WEEK 88; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>EYES; RED DISCHARGE; EYE-RIGHT; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL
>DISCHARGE; NASAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		-PYELONEPHRITIS,-MODERATE, MULTI-FOCAL
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED		ADRENAL, MEDULLA (MA) : -VACUOLATION,-SLIGHT, MULTI-FOCAL
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	OVARY (OV) : -CYST(S); BILATERAL: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 4 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT -HEMORRHAGE,-MINIMAL, MULTI-FOCAL
		THYMUS (TH) : -CYST,-PRESENT
		LUNG (LU) : -MINERALIZATION, VASCULAR,-SLIGHT, FOCAL
	PITUITARY (PI) : -MASS(ES); 8 X 6 X 5 MM, TAN, RED AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91374 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/06/99 STUDY DAY OF DEATH: 680 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: 235.7 GRAMS
DATE AND TIME OF NECROPSY: 12/06/99 13:23 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
	STOMACH, GL (ST) : -EROSION/ULCERATION; MUCOSA: MULTIPLE TAN ERODED AREAS, UP TO 2 MM IN DIAMETER	STOMACH, GL (ST) : >UNREMARKABLE
		COLON (CO) : -EDEMA,-SLIGHT, MULTI-FOCAL
		MAMMARY, FEMALE (MF) : -GALACTOCELE,-MINIMAL, MULTI-FOCAL
		UTERUS (UT) : -DILATATION,-MINIMAL, FOCAL
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	TAIL (TI) : -CRUSTED AREA(S); ALONG ENTIRE TAIL: MULTIPLE DRY DARK BROWN AND CRUSTED AREAS, UP TO 4 MM IN DIAMETER; COLLECTED	TAIL (TI) : -CYST, EPIDERMAL INCLUSION,-PRESENT -INFLAMMATION, ACUTE,-MODERATELY SEVERE, FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY DARK BROWN MATERIAL -DISCHARGE-NASAL; DRY DARK BROWN MATERIAL -STAINS - SKIN/HAIRCOAT; VENTRAL ABDOMINAL REGION: MOIST YELLOW MATERIAL	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91374 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/06/99 STUDY DAY OF DEATH: 680 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: 235.7 GRAMS
DATE AND TIME OF NECROPSY: 12/06/99 13:23 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-ANIMAL THIN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91375 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/27/99 STUDY DAY OF DEATH: 579 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: 272.3 GRAMS
DATE AND TIME OF NECROPSY: 08/27/99 8:02 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT -HEMORRHAGE,-MODERATE, FOCAL
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE		ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-SEVERE, FOCAL -HEMORRHAGE,-MODERATELY SEVERE, FOCAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	OVARY (OV) : -CYST(S); LEFT: SINGLE CLEAR FLUID FILLED CYST, 3 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT
		THYROID (TY) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 10 X 8 X 6 MM, DARK RED, TAN, LOBULATED AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -PIGMENT,-MINIMAL, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91375 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/27/99 STUDY DAY OF DEATH: 579 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: 272.3 GRAMS
DATE AND TIME OF NECROPSY: 08/27/99 8:02 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, NONGL (SU) : -DARK FOCUS(I)/AREA(S); MUCOSA, NEAR JUNCTION OF GLANDULAR MUCOSA: MULTIPLE DARK BROWN AREAS, UP TO 2 X 1 MM	STOMACH, NONGL (SU) : -EDEMA,-MODERATELY SEVERE, DIFFUSE -INFLAMMATION, ACUTE,-SLIGHT, FOCAL -ULCERATION,-MODERATE, FOCAL MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY DARK RED MATERIAL	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91375 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/27/99 STUDY DAY OF DEATH: 579 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: 272.3 GRAMS
DATE AND TIME OF NECROPSY: 08/27/99 8:02 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91376 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 321.2 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 7:42 PROSECTOR: JODI THIEREN RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-LEFT; WEEK 100; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT
>MASS(ES); INGUINAL REGION-LEFT; WEEK 105; THREE MASSES UNDER 10MM; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -DARK FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK BROWN AREAS, UP TO 5 MM IN DIAMETER; SOME ARE SUNKEN WITH A STELLATE PATTERN; COLLECTED ON ROUTINE SECTION	LIVER (LI) : -CYST,-MODERATE, FOCAL -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
	OVARY (OV) : -CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 15 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT
		BONE, STERNUM (SB) : -HYPERPLASIA, CARTILAGE,-MODERATE, FOCAL
		THYMUS (TH) : -CYST,-PRESENT
		THYROID (TY) : -HYPERPLASIA, C-CELL,-MODERATE, FOCAL
	PITUITARY (PI) : -MASS(ES); 7 X 6 X 5 MM, RED, DARK RED, GRAY AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL -HEMORRHAGE,-MODERATELY SEVERE, FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91376 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 321.2 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 7:42 PROSECTOR: JODI THIEREN RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 38 X 27 X 20 MM, RED, DARK RED, BROWN, TAN, FIRM, LOBULATED AND VASCULAR; ON SECTION, SOME AREAS EXUDE A BROWN FLUID; COLLECTED; REGIONAL LN (SEE AXILLARY) -MASS #2; LEFT INGUINAL REGION: SINGLE MASS, 30 X 30 X 10 MM, RED, TAN, DARK BROWN, SOFT AND LOBULATED; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -M-CARCINOMA,-NEOPLASM PRESENT
	UTERUS (UT) : -LARGE, FOCAL; BILATERAL, DISTAL PORTION OF EACH HORN: UP TO 12 MM IN DIAMETER	UTERUS (UT) : -CYST, KERATIN,-PRESENT -DILATATION,-SEVERE, DIFFUSE -HYPERPLASIA, ENDOMETRIAL,-MODERATE, DIFFUSE
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, AXILLARY (AX) : -MOTTLED; BILATERAL: RED AND TAN (CAP 20)	LN, AXILLARY (AX) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MODERATE, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -FLUID-ABDOMINAL CAVITY; LARGE AMOUNTS OF LIGHT BROWN FLUID	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91376 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 321.2 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 7:42 PROSECTOR: JODI THIEREN RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91377 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 06/06/99 STUDY DAY OF DEATH: 497 STUDY WEEK OF DEATH: 71 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 06/06/99 13:17 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-CERVICAL-RIGHT; WEEK 43; 90 X 85MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -NECROSIS, HEPATOCELLULAR,-MODERATELY SEVERE, MULTI-FOCAL KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT, MULTI-FOCAL THYMUS (TH) : -CYST,-PRESENT PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL JEJUNUM (JE) : >AUTOLYTIC SKIN (SK) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91377 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 06/06/99 STUDY DAY OF DEATH: 497 STUDY WEEK OF DEATH: 71 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 06/06/99 13:17 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 110 X 80 X 60 MM, RED, DARK RED, TAN, FIRM, LOBULATED AND VASCULAR; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 20); OVERLYING SKIN HAS A SINGLE DARK RED AND BROWN CRUSTED AREA, 70 X 60 MM; COLLECTED INTACT WITH MASS	MAMMARY, FEMALE (MF) : -INFLAMMATION, ACUTE,-MODERATELY SEVERE, FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -MAMMARY FIBROADENOMA,-PRESENT
		LN, AXILLARY (AX) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL
	GENERAL COMMENT (GC) : -DISCHARGE-NASAL; BILATERAL: CLEAR	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91377 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 06/06/99 STUDY DAY OF DEATH: 497 STUDY WEEK OF DEATH: 71 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 06/06/99 13:17 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91378 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 285.4 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 7:38 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL, MULTI-FOCAL -HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL -INFLAMMATION, CHRONIC,-SLIGHT, MULTI-FOCAL -PIGMENT,-SLIGHT, MULTI-FOCAL -VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL
	KIDNEY (KD) : -CYST(S); LEFT, CORTICAL SURFACE: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 8 MM IN DIAMETER	KIDNEY (KD) : -CYST,-MODERATELY SEVERE, FOCAL -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL
	OVARY (OV) : -CYST(S); BILATERAL: SINGLE CLEAR FLUID FILLED CYST ON EACH, EACH IS 2 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT
		THYMUS (TH) : -M-THYMIC CARCINOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 01/27/00 7:38 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT
	PITUITARY (PI) : -MASS(ES); 8 X 7 X 7 MM, RED, DARK RED, TAN, AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT MAMMARY, FEMALE (MF) : -GALACTOCELE,-MINIMAL, MULTI-FOCAL
	UTERUS (UT) : -LUMEN FILLED WITH FLUID; BILATERAL: TAN FLUID	UTERUS (UT) : -DILATATION,-MODERATE, DIFFUSE
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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ANIMAL NUMBER: C91378 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91379 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/29/98 STUDY DAY OF DEATH: 94 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 229.9 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 14:00 PROSECTOR: TODD ACKER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0324	.0141 %	.0183	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0285	.0124 %	.0161	WEIGHT TAKEN
BRAIN (BR)	1.7676	.7689 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	.8778	.3818 %	.4966	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	.9029	.3927 %	.5108	WEIGHT TAKEN
LIVER (LI)	8.1754	3.5561 %	4.6251	WEIGHT TAKEN
LUNG (LU)	1.0785	.4691 %	.6101	WEIGHT TAKEN
LEFT OVARY (OV0)	.0520	.0226 %	.0294	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0522	.0227 %	.0295	WEIGHT TAKEN
SPLEEN (SP)	.3743	.1628 %	.2118	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0076	.0033 %	.0043	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0087	.0038 %	.0049	WEIGHT TAKEN
UTERUS (UT)	.5700	.2479 %	.3225	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

STOMACH, GL (ST) :
-RED FOCUS(I)/AREA(S); MUCOSA:
MULTIPLE LINEAR AREAS, UP TO 7 X 1 MM

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

LIVER (LI) :
-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-
FOCAL
KIDNEY (KD) :
-CYST,-SLIGHT, FOCAL
STOMACH, GL (ST) :
>NOT REQUIRED TO BE EXAMINED FOR ANIMAL

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JERALD W. JOHNSON

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91380 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 401.9 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 9:35 PROSECTOR: NANCY DIEDRICH RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	EYE (EY) : -RED INTRAOCULAR MATERIAL; RIGHT	EYE (EY) : -HEMORRHAGE,-MODERATE, FOCAL -INFLAMMATION, ACUTE, CILIARY,-MINIMAL, MULTI-FOCAL
>MASS(ES); AXILLARY REGION-LEFT; WEEK 92; 35 X 30MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>EYES; DISCOLORED/LIGHT RED; EYE-RIGHT; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -LARGE; ALL LOBES: THICKENED -DIFFUSELY DARK; ALL LOBES: DARK BROWN	LIVER (LI) : -TELANGIECTASIS,-MINIMAL, MULTI-FOCAL
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 100; 35 X 35MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL
	ADRENAL, CORTEX (AC) : -MASS(ES); INVOLVING ENTIRE LEFT ADRENAL: SINGLE MASS, 15 X 10 X 10 MM, RED, DARK RED, TAN, BROWN AND SOFT; SAME ON CUT SURFACE; REGIONAL LN (SEE RENAL)	ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SEVERE, MULTI-FOCAL -ATROPHY, CORTICAL,-MODERATELY SEVERE, DIFFUSE -HEMORRHAGE,-SEVERE, MULTI-FOCAL
		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT
	PITUITARY (PI) : -MASS(ES); 8 X 5 X 5 MM, RED, DARK RED, GRAY, TAN AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		SKIN (SK) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE, FOCAL -ULCERATION,-MODERATELY SEVERE, FOCAL
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 55 X 45 X 30 MM, RED, DARK RED, TAN, FIRM AND VASCULAR; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (SEE AXILLARY) -MASS #2; RIGHT AXILLARY REGION: SINGLE MASS, 35 X 25 X 15 MM, RED, DARK RED, TAN AND FIRM; SAME ON CUT SURFACE; OVERLYING SKIN HAS A SINGLE DARK RED AND CRUSTED AREA, 10 X 5 MM; COLLECTED; REGIONAL LN (SEE AXILLARY) -THICKENED; ALL REGIONS, DIFFUSE (CAP 20) -MASS #3; RIGHT PERINEAL REGION: SINGLE MASS, 60 X 40 X 20 MM, RED, TAN, FIRM AND LOBULATED; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -HYPERPLASIA, GLANDULAR,-MODERATE, MULTI-FOCAL -MINERALIZATION,-MINIMAL, MULTI-FOCAL -B-FIBROADENOMA,- 3 NEOPLASMS PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91380 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
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DATE AND TIME OF NECROPSY: 01/25/00 9:35 PROSECTOR: NANCY DIEDRICH RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	UTERUS (UT) : -THICKENED WALL; BILATERAL, DIFFUSE -MASS(ES); SEROSAL SURFACE OF LEFT DISTAL HORN: SINGLE MASS, 18 X 15 X 10 MM, RED, TAN, FIRM AND LOBULATED; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (LUMBAR) NORMAL (CAP 22)	UTERUS (UT) : -M-LEIOMYOSARCOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, MEDIASTINAL (ML) : -LARGE; UP TO 5 MM IN DIAMETER (CAP 21)	LN, MEDIASTINAL (ML) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL
	LN, RENAL (RL) : -DIFFUSELY RED; BILATERAL: DARK RED (CAP 23)	LN, RENAL (RL) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL
	LN, AXILLARY (AX) : -LARGE; BILATERAL: EACH IS UP TO 12 X 8 X 3 MM -DIFFUSELY RED; BILATERAL: DARK RED (CAP 24)	LN, AXILLARY (AX) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL UPPER INCISORS -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91380 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 401.9 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 9:35 PROSECTOR: NANCY DIEDRICH RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN), LN, LUMBAR/ILIAC (LM)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91393 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 03/20/98 STUDY DAY OF DEATH: 54 STUDY WEEK OF DEATH: 8 TERMINAL BODY WEIGHT: 146.9 GRAMS
DATE AND TIME OF NECROPSY: 03/20/98 8:43 PROSECTOR: TODD ACKER RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TERRI L. WILLIAMS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0267	.0182 %	.0159	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0249	.0170 %	.0149	WEIGHT TAKEN
BRAIN (BR)	1.6759	1.1408 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	.7304	.4972 %	.4358	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	.7355	.5007 %	.4389	WEIGHT TAKEN
LIVER (LI)	10.9693	7.4672 %	6.5453	WEIGHT TAKEN
LUNG (LU)	.7636	.5198 %	.4556	WEIGHT TAKEN
LEFT OVARY (OV0)	.0443	.0302 %	.0264	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0472	.0321 %	.0282	WEIGHT TAKEN
SPLEEN (SP)	.3482	.2370 %	.2078	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0005	.0003 %	.0003	EXCLUDE
RIGHT THYROID/PR (TT1)	.0092	.0063 %	.0055	WEIGHT TAKEN
UTERUS (UT)	.3120	.2124 %	.1862	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

LIVER (LI) :
-HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR,-MODERATE, DIFFUSE
KIDNEY (KD) :
-MINERALIZATION, TUBULAR,-MINIMAL, MULTI-FOCAL
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91393 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 03/20/98 STUDY DAY OF DEATH: 54 STUDY WEEK OF DEATH: 8 TERMINAL BODY WEIGHT: 146.9 GRAMS
DATE AND TIME OF NECROPSY: 03/20/98 8:43 PROSECTOR: TODD ACKER RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TERRI L. WILLIAMS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91394 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 03/20/98 STUDY DAY OF DEATH: 54 STUDY WEEK OF DEATH: 8 TERMINAL BODY WEIGHT: 184.3 GRAMS
DATE AND TIME OF NECROPSY: 03/20/98 8:10 PROSECTOR: WENDY CHERRY RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TERRI L. WILLIAMS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0331	.0180 %	.0175	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0298	.0162 %	.0157	WEIGHT TAKEN
BRAIN (BR)	1.8957	1.0286 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	.7737	.4198 %	.4081	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	.8100	.4395 %	.4273	WEIGHT TAKEN
LIVER (LI)	12.7034	6.8928 %	6.7012	WEIGHT TAKEN
LUNG (LU)	.8192	.4445 %	.4321	WEIGHT TAKEN
LEFT OVARY (OV0)	.0444	.0241 %	.0234	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0462	.0251 %	.0244	WEIGHT TAKEN
SPLEEN (SP)	.3206	.1740 %	.1691	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0051	.0028 %	.0027	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0054	.0029 %	.0028	WEIGHT TAKEN
UTERUS (UT)	.4876	.2646 %	.2572	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

THYMUS (TH) :
-RED FOCUS(I)/AREA(S); RIGHT LOBE:
MULTIPLE RED PINPOINT FOCI
STOMACH, GL (ST) :
-DARK FOCUS(I)/AREA(S); MUCOSA:
MULTIPLE DARK BROWN AREAS, UP TO 10 X
1 MM

HISTOPATHOLOGY

LIVER (LI) :
-HYPERTROPHY, CENTRILOBULAR,
HEPATOCELLULAR,-MODERATE, DIFFUSE
THYMUS (TH) :
>NOT REQUIRED TO BE EXAMINED FOR ANIMAL
STOMACH, GL (ST) :
>NOT REQUIRED TO BE EXAMINED FOR ANIMAL
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91394 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 03/20/98 STUDY DAY OF DEATH: 54 STUDY WEEK OF DEATH: 8 TERMINAL BODY WEIGHT: 184.3 GRAMS
DATE AND TIME OF NECROPSY: 03/20/98 8:10 PROSECTOR: WENDY CHERRY RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TERRI L. WILLIAMS

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -BONE MARROW SMEAR TAKEN GENERAL INFORMATION (XX) : >NOTE:>ANIMAL NECROPSY OUT OF ORDER ANIMAL DIED PRIOR TO EXSANGUINATION	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91404 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 03/20/98 STUDY DAY OF DEATH: 54 STUDY WEEK OF DEATH: 8 TERMINAL BODY WEIGHT: 175.9 GRAMS
DATE AND TIME OF NECROPSY: 03/20/98 10:52 PROSECTOR: TODD ACKER RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TERRI L. WILLIAMS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0344	.0196 %	.0198	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0385	.0219 %	.0222	WEIGHT TAKEN
BRAIN (BR)	1.7374	.9877 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	.8122	.4617 %	.4675	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	.7923	.4504 %	.4560	WEIGHT TAKEN
LIVER (LI)	12.2573	6.9683 %	7.0550	WEIGHT TAKEN
LUNG (LU)	.8984	.5107 %	.5171	WEIGHT TAKEN
LEFT OVARY (OV0)	.0571	.0325 %	.0329	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0647	.0368 %	.0372	WEIGHT TAKEN
SPLEEN (SP)	.3259	.1853 %	.1876	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0099	.0056 %	.0057	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0057	.0032 %	.0033	WEIGHT TAKEN
UTERUS (UT)	.5221	.2968 %	.3005	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

LIVER (LI) :
-LARGE; ALL LOBES

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

LIVER (LI) :
-HEMORRHAGE,-MODERATE, MULTI-FOCAL
-HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR,-MODERATELY SEVERE, DIFFUSE
-NECROSIS, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91404 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 03/20/98 STUDY DAY OF DEATH: 54 STUDY WEEK OF DEATH: 8 TERMINAL BODY WEIGHT: 175.9 GRAMS
DATE AND TIME OF NECROPSY: 03/20/98 10:52 PROSECTOR: TODD ACKER RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TERRI L. WILLIAMS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91415 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 03/20/98 STUDY DAY OF DEATH: 54 STUDY WEEK OF DEATH: 8 TERMINAL BODY WEIGHT: 174.7 GRAMS
DATE AND TIME OF NECROPSY: 03/20/98 10:19 PROSECTOR: GREGORY CODDINGTON RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TERRI L. WILLIAMS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0249	.0143 %	.0134	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0175	.0100 %	.0094	WEIGHT TAKEN
BRAIN (BR)	1.8553	1.0620 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	.7904	.4524 %	.4260	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	.7924	.4536 %	.4271	WEIGHT TAKEN
LIVER (LI)	11.1073	6.3579 %	5.9868	WEIGHT TAKEN
LUNG (LU)	.8856	.5069 %	.4773	WEIGHT TAKEN
LEFT OVARY (OV0)	.0367	.0210 %	.0198	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0467	.0267 %	.0252	WEIGHT TAKEN
SPLEEN (SP)	.3928	.2248 %	.2117	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0065	.0037 %	.0035	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0110	.0063 %	.0059	WEIGHT TAKEN
UTERUS (UT)	.3142	.1799 %	.1694	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

LIVER (LI) :
-DIFFUSELY DARK; ALL LOBES: DARK BROWN

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

LIVER (LI) :
-HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR,-MODERATE, DIFFUSE
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT
LN, MEDIASTINAL (ML) :
-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
>NOTE:>MEDIASTINAL LYMPH NODE WAS PRESENT ON THYMUS SLIDE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91415 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 03/20/98 STUDY DAY OF DEATH: 54 STUDY WEEK OF DEATH: 8 TERMINAL BODY WEIGHT: 174.7 GRAMS
DATE AND TIME OF NECROPSY: 03/20/98 10:19 PROSECTOR: GREGORY CODDINGTON RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TERRI L. WILLIAMS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91423 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 187.0 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 11:52 PROSECTOR: TODD ACKER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	8.2679	4.4213 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LEFT OVARY (OV0)	--------	--------	--------	NOT TAKEN
RIGHT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT THYROID/PAR (TT0)	--------	--------	--------	NOT TAKEN
RIGHT THYROID/PR (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91423 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 187.0 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 11:52 PROSECTOR: TODD ACKER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91427 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 198.3 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 11:30 PROSECTOR: DONIA MEYER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	8.2478	4.1593 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LEFT OVARY (OV0)	--------	--------	--------	NOT TAKEN
RIGHT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT THYROID/PAR (TT0)	--------	--------	--------	NOT TAKEN
RIGHT THYROID/PR (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91427 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 198.3 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 11:30 PROSECTOR: DONIA MEYER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91430 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 161.7 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 11:06 PROSECTOR: DONIA MEYER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	8.6128	5.3264 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LEFT OVARY (OV0)	--------	--------	--------	NOT TAKEN
RIGHT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT THYROID/PAR (TT0)	--------	--------	--------	NOT TAKEN
RIGHT THYROID/PR (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91430 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 161.7 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 11:06 PROSECTOR: DONIA MEYER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91438 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 03/20/98 STUDY DAY OF DEATH: 54 STUDY WEEK OF DEATH: 8 TERMINAL BODY WEIGHT: 169.8 GRAMS
DATE AND TIME OF NECROPSY: 03/20/98 10:30 PROSECTOR: DONIA MEYER RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TERRI L. WILLIAMS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0329	.0194 %	.0171	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0308	.0181 %	.0160	WEIGHT TAKEN
BRAIN (BR)	1.9238	1.1330 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	.8302	.4889 %	.4315	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	.8670	.5106 %	.4507	WEIGHT TAKEN
LIVER (LI)	11.6597	6.8667 %	6.0608	WEIGHT TAKEN
LUNG (LU)	.9038	.5323 %	.4698	WEIGHT TAKEN
LEFT OVARY (OV0)	.0514	.0303 %	.0267	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0589	.0347 %	.0306	WEIGHT TAKEN
SPLEEN (SP)	.4120	.2426 %	.2142	WEIGHT TAKEN
LEFT THYROID/PAR (TT0)	.0087	.0051 %	.0045	WEIGHT TAKEN
RIGHT THYROID/PR (TT1)	.0076	.0045 %	.0040	WEIGHT TAKEN
UTERUS (UT)	.7756	.4568 %	.4032	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

LIVER (LI) :
-LARGE; ALL LOBES
-MOTTLED; ALL LOBES: DARK BROWN AND TAN
-DIFFUSELY DARK; ALL LOBES: DARK BROWN
UTERUS (UT) :
-LUMEN FILLED WITH FLUID; BILATERAL: CLEAR FLUID

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

LIVER (LI) :
-HYPERTROPHY, CENTRILOBULAR, HEPATOCELLULAR,-MODERATE, DIFFUSE

UTERUS (UT) :
>NOT REQUIRED TO BE EXAMINED FOR ANIMAL

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91438 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 03/20/98 STUDY DAY OF DEATH: 54 STUDY WEEK OF DEATH: 8 TERMINAL BODY WEIGHT: 169.8 GRAMS
DATE AND TIME OF NECROPSY: 03/20/98 10:30 PROSECTOR: DONIA MEYER RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TERRI L. WILLIAMS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91443 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 190.7 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 11:30 PROSECTOR: TODD ACKER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	11.7999	6.1877 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LEFT OVARY (OV0)	--------	--------	--------	NOT TAKEN
RIGHT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT THYROID/PAR (TT0)	--------	--------	--------	NOT TAKEN
RIGHT THYROID/PR (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91443 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 190.7 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 11:30 PROSECTOR: TODD ACKER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91448 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 170.2 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 11:36 PROSECTOR: TODD ACKER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	9.2407	5.4293 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LEFT OVARY (OV0)	--------	--------	--------	NOT TAKEN
RIGHT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT THYROID/PAR (TT0)	--------	--------	--------	NOT TAKEN
RIGHT THYROID/PR (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91448 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 02/18/98 STUDY DAY OF DEATH: 24 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 170.2 GRAMS
DATE AND TIME OF NECROPSY: 02/18/98 11:36 PROSECTOR: TODD ACKER RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91451 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 446.1 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 13:09 PROSECTOR: TERRI L. WILLIAMS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 92; 30 X 30MM; VERIFIED AT NECROPSY: OBSERVED >MASS(ES); INGUINAL REGION-LEFT; WEEK 98; 15 X 20MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LIVER (LI) : -LIGHT FOCUS(I)/AREA(S); LEFT LATERAL LOBE: MULTIPLE TAN AREAS, UP TO 4 X 3 MM; COLLECTED ON ROUTINE SECTION -MASS #2; RIGHT LATERAL LOBE: SINGLE MASS, 15 X 10 X 7 MM, TAN, RED, BROWN AND SOFT; SAME ON CUT SURFACE (CAP 20); REGIONAL LN (HEPATIC) NOT IDENTIFIED LUNG (LU) : -LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN AREAS, UP TO 10 X 7 MM PITUITARY (PI) : -MASS(ES); 10 X 9 X 6 MM, RED, DARK RED, TAN, GRAY AND SOFT STOMACH, GL (ST) : -EROSION/ULCERATION; MUCOSA: MULTIPLE TAN ERODED AREAS, UP TO 3 X 2 MM	BRAIN (BR) : >UNREMARKABLE LIVER (LI) : -DEGENERATION, CYSTIC,-SLIGHT, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL -NECROSIS, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL -B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MODERATE, MULTI-FOCAL THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT PITUITARY (PI) : -CYST,-PRESENT -HEMORRHAGE,-MODERATE, MULTI-FOCAL -PIGMENT,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT STOMACH, GL (ST) : >UNREMARKABLE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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DATE AND TIME OF NECROPSY: 01/27/00 13:09 PROSECTOR: TERRI L. WILLIAMS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 25 MM IN DIAMETER, TAN, RED, AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (SEE AXILLARY) -CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE TAN, CREAMY SEMIFLUID FILLED CYSTS, UP TO 6 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION -MASS #2; MID INGUINAL REGION: SINGLE MASS, 35 X 20 X 15 MM, RED, DARK RED, TAN AND LOBULATED; ON SECTION EXUDES A BROWN FLUID; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL -PIGMENT,-SLIGHT, MULTI-FOCAL -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT -M-CARCINOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, AXILLARY (AX) : -MOTTLED; BILATERAL: RED AND TAN (CAP 21)	LN, AXILLARY (AX) : >UNREMARKABLE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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DATE AND TIME OF NECROPSY: 01/27/00 13:09 PROSECTOR: TERRI L. WILLIAMS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
KIDNEY (KD), PANCREAS (PA), URINARY BLADDER (UB)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91452 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/21/99 STUDY DAY OF DEATH: 512 STUDY WEEK OF DEATH: 74 TERMINAL BODY WEIGHT: 564.8 GRAMS
DATE AND TIME OF NECROPSY: 06/21/99 14:31 PROSECTOR: DENNIS HOFFMAN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-CERVICAL-LEFT; WEEK 43; 80 X 70MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL -PYELONEPHRITIS,-SLIGHT, MULTI-FOCAL
>SKIN & PELAGE; SORE/SCAB; VENTRAL-ABDOMINAL-RIGHT; VERIFIED AT NECROPSY: NOT OBSERVED		SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT, MULTI-FOCAL
		ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-MODERATELY SEVERE, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL
	LUNG (LU) : -MASS(ES); RIGHT MIDDLE LOBE: SINGLE MASS, 27 X 16 X 10 MM, RED, DARK RED, TAN, FIRM AND SMOOTH; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (MEDIASTINAL) NORMAL (CAP 21)	LUNG (LU) : -EDEMA, ALVEOLAR,-MODERATELY SEVERE, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL -MINERALIZATION,-SLIGHT, FOCAL -N-MAMMARY CARCINOMA,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 5 X 4 X 4 MM, RED, DARK RED, TAN, SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) : -EDEMA,-MODERATE, MULTI-FOCAL -GALACTOCELE,-SEVERE, MULTI-FOCAL

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O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT CERVICAL REGION: SINGLE MASS, 95 X 72 X 41 MM (121.4 GRAMS), SOME AREAS ARE SOFT AND SOME ARE FIRM, RED, DARK RED, TAN AND BROWN; SAME ON CUT SURFACE; ON SECTION, SOME AREAS EXUDE A DARK BROWN FLUID; COLLECTED; REGIONAL LN (MANDIBULAR) NORMAL (CAP 20)	MAMMARY, FEMALE (MF) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		CERVIX (CV) : >TISSUE MISSING
		CAUSE OF DEATH (CD) : -MAMMARY CARCINOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN	

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91453 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 315.6 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 10:08 PROSECTOR: TERRI L. WILLIAMS RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAWS-HIND; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED >DISCHARGE; NASAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -MOTTLED; ALL LOBES: RED, BROWN, AND TAN KIDNEY (KD) : -MASS(ES); BILATERAL, CORTICAL SURFACE, EXTENDING INTO MEDULLA: SINGLE MASS ON EACH; LEFT IS 20 X 15 X 8 MM, RIGHT IS 15 X 13 X 5 MM; BOTH ARE RED, TAN, SOFT, AND LOBULATED; ON SECTION OF EACH MASS, SOME AREAS EXUDED A GREEN SEMIFLUID; BOTH MASSES COLLECTED INTACT; REGIONAL LN (SEE RENAL) ADRENAL, CORTEX (AC) : -MASS(ES); RIGHT, INVOLVING ENTIRE ORGAN: 20 MM IN DIAMETER, RED, DARK RED, TAN, AND SOFT; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (SEE RENAL) -SMALL; LEFT: 4 X 2 X 2 MM	LIVER (LI) : >UNREMARKABLE KIDNEY (KD) : -BACTERIAL COLONIES,-PRESENT -PYELONEPHRITIS,-MODERATELY SEVERE, MULTI-FOCAL ADRENAL, CORTEX (AC) : -ATROPHY, CORTICAL,-MODERATELY SEVERE, DIFFUSE -HEMORRHAGE,-MODERATE, MULTI-FOCAL -MINERALIZATION,-MODERATELY SEVERE, MULTI-FOCAL -NECROSIS, CORTICAL,-MODERATELY SEVERE, MULTI-FOCAL -PIGMENT,-SLIGHT, MULTI-FOCAL -M-CARCINOMA,-NEOPLASM PRESENT ADRENAL, MEDULLA (MA) : -ONE EXAMINED,-PRESENT

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O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LN, MESENTERIC (MS) : -GELATINOUS; DIFFUSE: CLEAR OVARY (OV) : -CYST(S); LEFT: SINGLE CLEAR FLUID FILLED CYST, 2 MM IN DIAMETER PITUITARY (PI) : -RED FOCUS(I)/AREA(S); LEFT POSTERIOR ASPECT: SINGLE RED AREA, 1 MM IN DIAMETER	LN, MESENTERIC (MS) : >TISSUE MISSING OVARY (OV) : -CYST,-PRESENT LUNG (LU) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -HYPERPLASIA, TYPE II PNEUMOCYTE,-MINIMAL, FOCAL -MINERALIZATION,-MODERATELY SEVERE, MULTI-FOCAL -NECROSIS,-MODERATELY SEVERE, MULTI-FOCAL -N-ADRENAL CORTICAL CARCINOMA,-NEOPLASM PRESENT THYROID (TY) : -HYPERPLASIA, C-CELL,-SLIGHT, FOCAL PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL URINARY BLADDER (UB) : -HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT, DIFFUSE -INFLAMMATION, CHRONIC,-SLIGHT, MULTI-FOCAL

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	CAVITY, ABDOM (PC) : -MASS(ES); ATTACHED TO ADIPOSE TISSUE, NEAR RIGHT UTERINE HORN: SINGLE MASS, 5 X 4 X 2 MM, YELLOW AND FIRM (CAP 21); REGIONAL LN (LUMBAR) NORMAL (CAP 22)	CAVITY, ABDOM (PC) : -NECROSIS, FAT,-PRESENT
		LN, LUMBAR/ILIAC (LM) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL
	LN, RENAL (RL) : -DIFFUSELY RED; BILATERAL: (CAP 20)	LN, RENAL (RL) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL
	FOOT/FOOTPAD(S) (FP) : -CRUSTED AREA(S); BILATERAL HIND FEET: SINGLE TAN CRUSTED AREA ON EACH, LEFT IS 4 MM IN DIAMETER, RIGHT IS 9 MM IN DIAMETER, BOTH COLLECTED	FOOT/FOOTPAD(S) (FP) : -EROSION,-MODERATELY SEVERE, MULTI-FOCAL -FIBROSIS,-MODERATE, MULTI-FOCAL -INFLAMMATION, ACUTE,-MODERATE, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-NASAL; BILATERAL: RED -ANIMAL THIN -BONE MARROW SMEAR TAKEN	

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91454 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/26/99 STUDY DAY OF DEATH: 578 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: 220.1 GRAMS
DATE AND TIME OF NECROPSY: 08/26/99 10:16 PROSECTOR: DAVID SCHUETTE RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; RED HAIR COAT; HEAD-CRANIAL; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; RED HAIR COAT; DORSAL-CERVICAL; VERIFIED AT NECROPSY: NOT OBSERVED
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE
>RESPIRATION; AUDIBLE; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; BROWN HAIR COAT; PERINEAL AREA; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

LIVER (LI) :
-DARK FOCUS(I)/AREA(S); DIAPHRAGMATIC SURFACE OF LEFT LATERAL LOBE: SINGLE DARK BROWN AREA, 2 MM IN DIAMETER

LUNG (LU) :
-LIGHT FOCUS(I)/AREA(S); RIGHT CAUDAL AND LEFT LOBES, NEAR MARGIN: MULTIPLE TAN AREAS, UP TO 3 X 2 MM

STOMACH, NONGL (SU) :
-EROSION/ULCERATION; MUCOSA NEAR JUNCTION OF GLANDULAR MUCOSA: MULTIPLE TAN ERODED AREAS, UP TO 1 MM IN DIAMETER

HISTOPATHOLOGY

LIVER (LI) :
-HEMORRHAGE,-MODERATE, FOCAL

KIDNEY (KD) :
-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
LUNG (LU) :
-INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL, MULTI-FOCAL

PITUITARY (PI) :
-B-ADENOMA,-NEOPLASM PRESENT
STOMACH, NONGL (SU) :
-EROSION,-MINIMAL, FOCAL

CAUSE OF DEATH (CD) :
-UNDETERMINED,-PRESENT
LN, MEDIASTINAL (ML) :
-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 08/26/99 10:16 PROSECTOR: DAVID SCHUETTE RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LN, MEDIASTINAL (ML) : >NOTE:>MEDIASTINAL LYMPH NODE WAS PRESENT ON THYMUS SECTION
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; MOIST BROWN MATERIAL -BLOOD FILM TAKEN -STAINS - SKIN/HAIRCOAT; ENTIRE HEAD REGION, DIFFUSE: DARK RED AND DRY MATERIAL -GI TRACT-LARGE LUMEN; ENTIRE GI TRACT: UP TO 15 MM IN DIAMETER; FILLED WITH GAS	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91455 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 421.6 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 12:44 PROSECTOR: TERRI L. WILLIAMS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -MINERALIZATION, TUBULAR,-MINIMAL, MULTI-FOCAL
	ADRENAL, CORTEX (AC) : -RED FOCUS(I)/AREA(S); RIGHT, WITHIN CORTEX: SINGLE DARK RED, RAISED AREA, 3 MM IN DIAMETER	ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE, MULTI-FOCAL -DEGENERATION, CYSTIC, CORTICAL,-MODERATELY SEVERE, FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -THROMBUS,-SLIGHT, FOCAL
	OVARY (OV) : -CYST(S); BILATERAL: SINGLE CLEAR FLUID FILLED CYST ON EACH, LEFT IS 10 MM IN DIAMETER, RIGHT IS 7 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT -ONE EXAMINED,-PRESENT
	PITUITARY (PI) : -LARGE; 5 X 4 X 3 MM; APPEARS SWOLLEN	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -LIGHT FOCUS(I)/AREA(S); MUCOSA, NEAR PYLORIC SPHINCTER: TWO TAN AND RAISED AREAS, EACH IS 1 MM IN DIAMETER	STOMACH, GL (ST) : >UNREMARKABLE
		MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATE, MULTI-FOCAL
		UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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DATE AND TIME OF NECROPSY: 01/27/00 12:44 PROSECTOR: TERRI L. WILLIAMS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	UTERUS (UT) : -CYST(S); BILATERAL, WITHIN LUMEN: MULTIPLE CLEAR AND RED FLUID FILLED CYSTS, UP TO 5 MM IN DIAMETER	
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, MANDIBULAR (MN) : -MOTTLED; BILATERAL: RED AND TAN (CAP 20)	LN, MANDIBULAR (MN) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91455 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 421.6 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 12:44 PROSECTOR: TERRI L. WILLIAMS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LIVER (LI), PANCREAS (PA), ADRENAL, MEDULLA (MA), LUNG (LU), THYROID (TY), URINARY BLADDER (UB)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91456 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/12/99 STUDY DAY OF DEATH: 533 STUDY WEEK OF DEATH: 77 TERMINAL BODY WEIGHT: 342.7 GRAMS
DATE AND TIME OF NECROPSY: 07/12/99 14:10 PROSECTOR: JODI THIEREN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE >EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: NOT OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-MODERATE, FOCAL KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
	ADRENAL, CORTEX (AC) : -DARK FOCUS(I)/AREA(S); RIGHT: MULTIPLE DARK BROWN AREAS, UP TO 3 MM IN DIAMETER PITUITARY (PI) : -MASS(ES); 13 X 9 X 8 MM, RED, DARK RED, TAN AND FIRM STOMACH, NONGL (SU) : -THICKENED WALL; DIFFUSE -DARK FOCUS(I)/AREA(S); MUCOSA: SINGLE DARK BROWN FOCUS, 1 MM IN DIAMETER MAMMARY, FEMALE (MF) : -CYST(S); ALL REGIONS DIFFUSE: MULTIPLE WHITE CREAMY SEMIFLUID FILLED CYSTS, 5 X 3 X 2 MM (CAP 20)	ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-MODERATELY SEVERE, FOCAL -HEMORRHAGE,-MODERATE, FOCAL PITUITARY (PI) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT STOMACH, NONGL (SU) : -EDEMA,-MODERATE, FOCAL -EROSION,-MODERATE, FOCAL MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATELY SEVERE, MULTI-FOCAL -MINERALIZATION,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -THICKENED; ALL REGIONS DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED, DRY MATERIAL	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91457 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/23/99 STUDY DAY OF DEATH: 667 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 513.2 GRAMS
DATE AND TIME OF NECROPSY: 11/23/99 13:46 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); INGUINAL REGION-RIGHT; WEEK 84; 15 X 15MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) : -RED FOCUS(I)/AREA(S); DIAPHRAGMATIC SURFACE OF RIGHT MEDIAL LOBE: MULTIPLE DARK RED AREAS, UP TO 4 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION	LIVER (LI) : -TELANGIECTASIS,-MINIMAL, FOCAL
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE		
>DISCHARGE; NASAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
	ADRENAL, CORTEX (AC) : -LARGE; RIGHT: 7 X 5 X 5 MM (LEFT IS 5 X 4 X 3 MM)	ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATELY SEVERE, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL -MINERALIZATION,-MODERATE, MULTI-FOCAL -THROMBUS,-MODERATE, MULTI-FOCAL
		THYMUS (TH) : -CYST,-PRESENT
	PITUITARY (PI) : -MASS(ES); 10 X 6 X 6 MM, RED, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) : -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT PERINEAL REGION: SINGLE MASS, 10 MM IN DIAMETER, DARK RED, TAN, BROWN AND SOFT; SAME ON CUT SURFACE (CAP 21); REGIONAL LN (INGUINAL) NOT IDENTIFIED	
	UTERUS (UT) : -CYST(S); WITHIN LUMEN OF MID RIGHT HORN: SINGLE CLEAR FLUID FILLED CYST, 12 X 6 X 6 MM	UTERUS (UT) : -DILATATION,-MODERATELY SEVERE, FOCAL
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-NASAL; RED AND MOIST	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91457 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/23/99 STUDY DAY OF DEATH: 667 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 513.2 GRAMS
DATE AND TIME OF NECROPSY: 11/23/99 13:46 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91458 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/05/99 STUDY DAY OF DEATH: 435 STUDY WEEK OF DEATH: 63 TERMINAL BODY WEIGHT: 340.2 GRAMS
DATE AND TIME OF NECROPSY: 04/05/99 14:36 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL; WEEK 62; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; PROLAPSED; VAGINA; VERIFIED AT NECROPSY: OBSERVED	PITUITARY (PI) : -DARK FOCUS(I)/AREA(S); MID ASPECT: SINGLE BLACK AREA, 3 X 1 MM -LARGE; 5 X 4 X 3 MM; APPEARS SWOLLEN	SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MINIMAL, MULTI-FOCAL ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MINIMAL, MULTI-FOCAL -HEMORRHAGE,-MINIMAL, MULTI-FOCAL LUNG (LU) : -HEMORRHAGE,-MINIMAL, FOCAL -INFLAMMATION, CHRONIC,-SLIGHT, FOCAL PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT CERVIX (CV) : -B-POLYP, ENDOMETRIAL STROMAL,-NEOPLASM PRESENT VAGINA (VA) : >UNREMARKABLE >NOTE:>AN ENDOMETRIAL STROMAL POLYP WAS PRESENT IN THE CERVIX

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91458 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
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DATE AND TIME OF NECROPSY: 04/05/99 14:36 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

VAGINA (VA) :
-MASS(ES); WITHIN LUMEN, EXTENDING FROM CERVIX THROUGH VULVA: SINGLE MASS, 38 X 28 X 20 MM, RED, DARK RED, GRAY, TAN, VASCULAR AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (LUMBAR) NORMAL (CAP 20); POSSIBLY CONSISTENT WITH PROLAPSE (VAGINA) AS NOTED IN CLINICAL OBSERVATIONS

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-ENDOMETRIAL STROMAL POLYP,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91458 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
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DATE AND TIME OF NECROPSY: 04/05/99 14:36 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), HEMATO NEOPLASIA (HN), LN, LUMBAR/ILIAC (LM)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91459 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 550.6 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 11:09 PROSECTOR: TERRI L. WILLIAMS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>MASS(ES); VENTRAL-ABDOMINAL; WEEK 102; 20 X 15MM; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) :	LIVER (LI) :
	-LIGHT FOCUS(I)/AREA(S); RIGHT MEDIAN LOBE, NEAR JUNCTION WITH LEFT MEDIAN LOBE: SINGLE TAN AREA, 4 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION	-LIPIDOSIS, SUBCAPSULAR (TENSION LIPIDOSIS),-MODERATE, FOCAL
	-RED FOCUS(I)/AREA(S); DIAPHRAGMATIC SURFACE OF LEFT LATERAL LOBE: SINGLE DARK RED AREA, 4 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION	-TELANGIECTASIS,-MINIMAL, FOCAL
	KIDNEY (KD) :	KIDNEY (KD) :
	-LARGE PELVIS(ES); BILATERAL	-DILATATION, PELVIC,-PRESENT
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL
		PANCREAS (PA) :
		-ATROPHY, ACINAR,-SLIGHT, MULTI-FOCAL
	OVARY (OV) :	OVARY (OV) :
	-CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 14 MM IN DIAMETER	-CYST,-PRESENT
		THYROID (TY) :
		-CYST, FOLLICULAR,-SLIGHT, MULTI-FOCAL
		-HYPERPLASIA, FOLLICULAR CELL,-MODERATE, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 6 X 6 X 3 MM, RED, DARK RED, TAN AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -THICKENED WALL; NEAR JUNCTION WITH NONGLANDULAR STOMACH	STOMACH, GL (ST) : >UNREMARKABLE
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT INGUINAL REGION: SINGLE MASS, 30 X 25 X 15 MM, RED, TAN, FIRM AND LOBULATED; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED -CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE TAN, CREAMY SEMIFLUID FILLED CYSTS, UP T0 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION -MASS #2; LEFT AXILLARY REGION: TWO MASSES, EACH ARE 10 MM IN DIAMETER, BOTH ARE TAN AND FIRM; SAME ON CUT SURFACES; BOTH COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 20) -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT -M-CARCINOMA,-NEOPLASM PRESENT
	CERVIX (CV) : -MASS(ES); ATTACHED TO VENTRAL SEROSAL SURFACE: SINGLE MASS, 6 MM IN DIAMETER, TAN AND FIRM; COLLECTED INTACT; REGIONAL LN (LUMBAR) NORMAL (CAP 23)	CERVIX (CV) : -M-LEIOMYOSARCOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91459 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 550.6 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 11:09 PROSECTOR: TERRI L. WILLIAMS RECORDER: JILL PAUS
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O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	VAGINA (VA) : -MASS(ES); SEROSAL SURFACE, NEAR BLADDER: SINGLE MASS, 7 X 5 X 3 MM, TAN, FIRM AND LOBULATED; COLLECTED INTACT; REGIONAL LN (LUMBAR) NORMAL (CAP 23)	VAGINA (VA) : -I-LEIOMYOSARCOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL, UPPER INCISORS -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 01/27/00 11:09 PROSECTOR: TERRI L. WILLIAMS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), URINARY BLADDER (UB), LN, LUMBAR/ILIAC (LM), LN, AXILLARY (AX)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91460 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/30/99 STUDY DAY OF DEATH: 429 STUDY WEEK OF DEATH: 62 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/30/99 14:23 PROSECTOR: DENNIS HOFFMAN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); VENTRAL-ABDOMINAL; WEEK 59; 40 X 40MM; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; SWOLLEN; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; NONFORMED FECES; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

LIVER (LI) :
-DIFFUSELY DARK; ALL LOBES: BROWN
KIDNEY (KD) :
-LARGE PELVIS(ES); BILATERAL
SPLEEN (SP) :
-LARGE; 62 X 11 X 8 MM

HISTOPATHOLOGY

LIVER (LI) :
-PIGMENT, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL
KIDNEY (KD) :
-DILATATION, PELVIC,-PRESENT
-MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
SPLEEN (SP) :
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATELY SEVERE, MULTI-FOCAL
ADRENAL, CORTEX (AC) :
-HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL, MULTI-FOCAL
THYMUS (TH) :
-CYST,-PRESENT
LUNG (LU) :
-MINERALIZATION, VASCULAR,-MINIMAL, FOCAL
PITUITARY (PI) :
-HYPERPLASIA,-MODERATE, FOCAL
JEJUNUM (JE) :
>AUTOLYTIC
MAMMARY, FEMALE (MF) :
-GALACTOCELE,-SLIGHT, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	CERVIX (CV) : -MASS(ES); SINGLE MASS, 75 X 50 X 45 MM (116.0 GRAMS), RED, DARK RED, TAN, BROWN, FIRM AND LOBULATED; ON SECTION APPEARS FIBROUS; COLLECTED; POSSIBLY CONSISTENT WITH MASS AS NOTED IN CLINICAL OBSERVATIONS; REGIONAL LN (SEE LUMBAR)	CERVIX (CV) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -INFLAMMATION, ACUTE,-MODERATE, MULTI-FOCAL -B-POLYP, ENDOMETRIAL STROMAL,-NEOPLASM PRESENT
		VAGINA (VA) : >AUTOLYTIC
		CAUSE OF DEATH (CD) : -ENDOMETRIAL STROMAL POLYP,-PRESENT
	LN, LUMBAR/ILIAC (LM) : -LARGE; BILATERAL LUMBAR: EACH IS 8 X 3 X 2 MM (CAP 20)	LN, LUMBAR/ILIAC (LM) : -HYPERPLASIA, LYMPHOCYTIC,-MINIMAL, MULTI-FOCAL
	GENERAL COMMENT (GC) : -DISCHARGE-NASAL; DRY RED MATERIAL -STAINS - SKIN/HAIRCOAT; ENTIRE VENTRAL SURFACE: DARK BROWN AND DRY MATERIAL -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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DATE AND TIME OF NECROPSY: 03/30/99 14:23 PROSECTOR: DENNIS HOFFMAN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91461 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/17/99 STUDY DAY OF DEATH: 600 STUDY WEEK OF DEATH: 86 TERMINAL BODY WEIGHT: 345.4 GRAMS
DATE AND TIME OF NECROPSY: 09/17/99 15:09 PROSECTOR: TONY HANFELD RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 51; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
		-DILATATION, VENTRICULAR,-PRESENT
>SKIN & PELAGE; SORE/SCAB; DORSAL; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) :
		-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 84; VERIFIED AT NECROPSY: OBSERVED		-MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL
		-PYELONEPHRITIS,-MINIMAL, FOCAL
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE		ADRENAL, CORTEX (AC) :
		-ANGIECTASIS,-MINIMAL, MULTI-FOCAL
>APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE		-DEGENERATION, CYSTIC, CORTICAL,-MINIMAL, FOCAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
	OVARY (OV) :	OVARY (OV) :
	-CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 10 MM IN DIAMETER	-CYST,-PRESENT
		THYMUS (TH) :
		-CYST,-PRESENT
		THYROID (TY) :
		-B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 8 X 7 X 5 MM, DARK RED, TAN, AND SOFT	-HEMORRHAGE,-MODERATE, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91461 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

SKIN (SK) :
-CRUSTED AREA(S); DORSAL THORACIC REGION: MULTIPLE DARK RED CRUSTED AREAS, UP TO 3 MM IN DIAMETER; COLLECTED WITH ALOPECIA
-ALOPECIA-DIFFUSE; ENTIRE DORSAL THORACIC REGION (CAP 22)

MAMMARY, FEMALE (MF) :
-MASS(ES); LEFT VENTRAL ABDOMINAL REGION: SINGLE MASS, 31 X 25 X 9 MM, TAN, GRAY, DARK RED, LOBULATED AND CYSTIC; SOME SECTIONS EXUDE A TAN AND CREAMY SEMIFLUID; COLLECTED; REGIONAL LN (SEE INGUINAL)
-MASS #2; RIGHT VENTRAL ABDOMINAL REGION: SINGLE MASS, 29 X 23 X 14 MM, TAN, BROWN, LOBULATED AND FIRM; SOME SECTIONS EXUDE A TAN AND CREAMY SEMIFLUID; COLLECTED; REGIONAL LN (SEE INGUINAL)

LN, INGUINAL (IN) :
-LARGE; LEFT: 11 X 6 X 6 MM (RIGHT NOT IDENTIFIED) (CAP 21)

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-ANIMAL THIN

HISTOPATHOLOGY

SKIN (SK) :
-ATROPHY, ADNEXAL,-MODERATE, MULTI-FOCAL
-INFLAMMATION, CHRONIC-ACTIVE,-MODERATE, MULTI-FOCAL
-ULCERATION,-MODERATE, FOCAL

MAMMARY, FEMALE (MF) :
-GALACTOCELE,-SEVERE, MULTI-FOCAL
-INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE, FOCAL
-B-ADENOMA,-NEOPLASM PRESENT
-B-FIBROADENOMA,- 2 NEOPLASMS PRESENT

CAUSE OF DEATH (CD) :
-PITUITARY ADENOMA,-PRESENT

LN, INGUINAL (IN) :
>TISSUE MISSING
>NOTE:>INGUINAL LYMPH NODE DESCRIBED GROSSLY WAS A MAMMARY ADENOMA

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91461 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
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DATE AND TIME OF NECROPSY: 09/17/99 15:09 PROSECTOR: TONY HANFELD RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91462 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 481.4 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 13:08 PROSECTOR: JAMES T. CALLEN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-SLIGHT, FOCAL LUNG (LU) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL -INFILTRATE, MACROPHAGE, ALVEOLAR,-MODERATE, MULTI-FOCAL THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); ALL REGIONS, DIFFUSE: MULTIPLE RED AREAS, UP TO 2 X 1 MM -LARGE; 6 X 6 X 4 MM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91462 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 481.4 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 13:08 PROSECTOR: JAMES T. CALLEN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LIVER (LI), PANCREAS (PA), MAMMARY, FEMALE (MF), URINARY BLADDER (UB)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91463 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/25/99 STUDY DAY OF DEATH: 608 STUDY WEEK OF DEATH: 87 TERMINAL BODY WEIGHT: 363.3 GRAMS
DATE AND TIME OF NECROPSY: 09/25/99 13:17 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 66; 25 X 30MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>MASS(ES); AXILLARY REGION-LEFT; WEEK 71; 20 X 20MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-SLIGHT, MULTI-FOCAL
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED		ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE, MULTI-FOCAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		-HEMORRHAGE,-MODERATE, MULTI-FOCAL
>BEHAVIOR; RECUMBENT; LATERAL; VERIFIED AT NECROPSY: NOT APPLICABLE	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 7 X 7 X 9 MM, FIRM, RED, DARK RED AND TAN	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		STOMACH, GL (ST) : -CYST,-PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 13 X 23 X 37 MM, FIRM, RED, TAN AND LOBULATED; SAME ON CUT SURFACE (CAP 21); REGIONAL LN (AXILLARY) NORMAL (CAP 22) -MASS #2; RIGHT INGUINAL REGION: SINGLE MASS, 23 X 34 X 37 MM, FIRM, RED, TAN AND LOBULATED; SAME ON CUT SURFACE (CAP 23); REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,-NEOPLASM PRESENT -M-CARCINOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91463 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
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DATE AND TIME OF NECROPSY: 09/25/99 13:17 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT LN, MEDIASTINAL (ML) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL, MULTI-FOCAL >NOTE:>MEDIASTINAL LYMPH NODE WAS PRESENT ON THYMUS SLIDE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY RED MATERIAL	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91463 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91464 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/21/99 STUDY DAY OF DEATH: 512 STUDY WEEK OF DEATH: 74 TERMINAL BODY WEIGHT: 304.8 GRAMS
DATE AND TIME OF NECROPSY: 06/21/99 14:31 PROSECTOR: JAMES T. CALLEN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL; WEEK 35; 40 X 40MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) :
		-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) :
		-INFARCT,-SLIGHT, MULTI-FOCAL
>SKIN & PELAGE; SORE/SCAB; VENTRAL-ABDOMINAL-RIGHT; VERIFIED AT NECROPSY: OBSERVED		-MINERALIZATION, TUBULAR,-SLIGHT, MULTI-FOCAL
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
		ADRENAL, CORTEX (AC) :
		-ANGIECTASIS,-SLIGHT, FOCAL
		LUNG (LU) :
		-MINERALIZATION,-MINIMAL, MULTI-FOCAL
	PITUITARY (PI) :	PITUITARY (PI) :
	-LARGE; 6 MM IN DIAMETER; APPEARS SWOLLEN	-B-ADENOMA,-NEOPLASM PRESENT
		SKIN (SK) :
		-B-PAPILLOMA, SQUAMOUS CELL,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) :
		-HEMORRHAGE,-MODERATE, MULTI-FOCAL
		-MINERALIZATION,-SLIGHT, MULTI-FOCAL
		-M-CARCINOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91464 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT INGUINAL REGION, EXTENDING TO MID PERIANAL REGION: SINGLE MASS, 46 X 37 X 24 MM, TAN, LOBULATED, VASCULAR AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; OVERLYING SKIN HAS A SINGLE MOIST RED ULCERATED AREA, 14 X 11 MM; COLLECTED INTACT WITH MASS; REGIONAL LN (INGUINAL) NOT IDENTIFIED	
		CAUSE OF DEATH (CD) : -MAMMARY CARCINOMA,-PRESENT
	AORTA (AO) : -FIRM; DIFFUSE	AORTA (AO) : -MINERALIZATION,-MODERATELY SEVERE, DIFFUSE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91464 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/21/99 STUDY DAY OF DEATH: 512 STUDY WEEK OF DEATH: 74 TERMINAL BODY WEIGHT: 304.8 GRAMS
DATE AND TIME OF NECROPSY: 06/21/99 14:31 PROSECTOR: JAMES T. CALLEN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91465 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/11/99 STUDY DAY OF DEATH: 624 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: 221.9 GRAMS
DATE AND TIME OF NECROPSY: 10/11/99 14:07 PROSECTOR: STEVE VAN ADESTINE RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) :
>APPEARANCE; DEHYDRATED; VERIFIED AT NECROPSY: NOT APPLICABLE		-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT, MULTI-FOCAL
		ADRENAL, CORTEX (AC) :
		-ANGIECTASIS,-MODERATELY SEVERE, MULTI-FOCAL
		-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
		THYMUS (TH) :
		-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
		LUNG (LU) :
		-INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL, MULTI-FOCAL
		-MINERALIZATION, VASCULAR,-MINIMAL, FOCAL
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 10 X 8 X 7 MM, RED, DARK RED, TAN, AND SOFT	-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) :	MAMMARY, FEMALE (MF) :
	-THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	-GALACTOCELE,-MODERATE, MULTI-FOCAL
		CAUSE OF DEATH (CD) :
		-PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91465 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; PERINEUM: YELLOW AND MOIST -BLOOD FILM TAKEN -MALOCCLUSION; LEFT UPPER INCISOR -ANIMAL THIN -TEETH MISSING/BROKEN/WORN; RIGHT UPPER INCISOR: BROKEN OFF AT BASE	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91465 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
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DATE AND TIME OF NECROPSY: 10/11/99 14:07 PROSECTOR: STEVE VAN ADESTINE RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91466 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/03/99 STUDY DAY OF DEATH: 647 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 451.7 GRAMS
DATE AND TIME OF NECROPSY: 11/03/99 13:40 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED		-DILATATION, VENTRICULAR,-PRESENT
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) :
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		-FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-SEVERE, FOCAL
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: NOT OBSERVED	KIDNEY (KD) :	-HEMORRHAGE,-MODERATE, MULTI-FOCAL
>DISCHARGE; NASAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED	-GRANULAR MATERIAL; BILATERAL, WITHIN PELVIS: MULTIPLE TAN, FIRM GRANULES, PINPOINT AND UP TO 1 MM IN DIAMETER	-VACUOLATION, HEPATOCELLULAR,-MODERATELY SEVERE, MULTI-FOCAL
	-LIGHT FOCUS(I)/AREA(S); LEFT, AT CRANIAL END: SINGLE TAN, SLIGHTLY RAISED AREA, 6 X 5 X 4 MM	KIDNEY (KD) :
		-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
		-MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL
		-B-LIPOMA,-NEOPLASM PRESENT
		ADRENAL, CORTEX (AC) :
		-ANGIECTASIS,-SLIGHT, MULTI-FOCAL
		-DEGENERATION, CYSTIC, CORTICAL,-MODERATE, FOCAL
		-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
	OVARY (OV) :	OVARY (OV) :
	-CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 4 MM IN DIAMETER	-CYST,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	BONE, FEMUR (FE) : >NOTE:>TRIMMING COMMENT: MISSING AT TIME OF TRIMMING	BONE, FEMUR (FE) : >TISSUE MISSING
	MARROW, FEMUR (FM) : >NOTE:>TRIMMING COMMENT: MISSING AT TIME OF TRIMMING	MARROW, FEMUR (FM) : >TISSUE MISSING
		LUNG (LU) : -MINERALIZATION, VASCULAR,-SLIGHT, FOCAL
	PITUITARY (PI) : -MASS(ES); 8 X 7 X 7 MM, DARK RED, GREY AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: MULTIPLE TAN ERODED AREAS, UP TO 3 X 2 MM	STOMACH, NONGL (SU) : -EDEMA,-MODERATE, FOCAL -INFLAMMATION, ACUTE,-MINIMAL, MULTI-FOCAL
		MAMMARY, FEMALE (MF) : -GALACTOCELE,-MINIMAL, MULTI-FOCAL
	VAGINA (VA) : -SEMIFLUID MATERIAL; WITHIN LUMEN: GREEN MUCOID SEMIFLUID MATERIAL	VAGINA (VA) : >UNREMARKABLE
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	FOOT/FOOTPAD(S) (FP) : -CRUSTED AREA(S); LEFT HINDFOOT: SINGLE DRY, BROWN CRUSTED AREA, 9 X 7 MM; COLLECTED	FOOT/FOOTPAD(S) (FP) : -FIBROSIS,-MODERATELY SEVERE, FOCAL -INFLAMMATION, ACUTE,-MODERATE, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: RED, DRY MATERIAL -DISCHARGE-NASAL; DRY, RED MATERIAL -STAINS - SKIN/HAIRCOAT; INVOLVING ENTIRE HEAD: DRY, RED MATERIAL	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91467 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 467.6 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 11:40 PROSECTOR: JAMES T. CALLEN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SCALY SKIN; TAIL; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; SORE/SCAB; LIMBS-HIND; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL PANCREAS (PA) : -ATROPHY, ACINAR,-MINIMAL, FOCAL THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 11 X 7 X 5 MM, DARK RED, GREY, AND FIRM	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: DARK RED (CAP 20)	LN, MANDIBULAR (MN) : -DILATATION, SINUSOIDAL,-MODERATE, FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL TAIL (TI) : -EROSION,-SLIGHT, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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DATE AND TIME OF NECROPSY: 01/27/00 11:40 PROSECTOR: JAMES T. CALLEN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	TAIL (TI) : -CRUSTED AREA(S); ALONG ENTIRE LENGTH: MULTIPLE TAN, DRY, CRUSTED AREAS, UP TO 1 MM IM DIAMETER; COLLECTED FOOT/FOOTPAD(S) (FP) : -CRUSTED AREA(S); BILATERAL HIND FEET: SINGLE CRUSTED AREA ON EACH; LEFT IS 6 X 5 MM, RED, TAN, AND DRY; RIGHT IS 2 MM IN DIAMETER, TAN AND DRY; BOTH COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	TAIL (TI) : -INFLAMMATION, ACUTE,-SLIGHT, MULTI-FOCAL FOOT/FOOTPAD(S) (FP) : -EROSION,-MODERATE, FOCAL -FIBROSIS,-MODERATE, FOCAL -INFLAMMATION, ACUTE,-SLIGHT, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 01/27/00 11:40 PROSECTOR: JAMES T. CALLEN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LIVER (LI), LUNG (LU), URINARY BLADDER (UB)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91468 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/12/99 STUDY DAY OF DEATH: 442 STUDY WEEK OF DEATH: 64 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/12/99 11:40 PROSECTOR: STEVE VAN ADESTINE RECORDER: DONIA MEYER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT KIDNEY (KD) : -MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL -MINERALIZATION, TUBULAR,-MINIMAL, MULTI-FOCAL ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT, MULTI-FOCAL -DEGENERATION, CYSTIC, CORTICAL,-MODERATE, FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL
	LUNG (LU) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, PINPOINT AND UP TO 6 X 3 MM	LUNG (LU) : >UNREMARKABLE
		PARATHYROID (PT) : >SECTION EXAMINED; TISSUE NOT PRESENT JEJUNUM (JE) : -CYST, KERATIN,-SEVERE, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91468 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/12/99 STUDY DAY OF DEATH: 442 STUDY WEEK OF DEATH: 64 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/12/99 11:40 PROSECTOR: STEVE VAN ADESTINE RECORDER: DONIA MEYER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	JEJUNUM (JE) : -MASS(ES); MID AND DISTAL JEJUNUM, SEROSAL SURFACE: TWO MASSES, MID IS 10 X 9 X 7 MM, DISTAL IS 15 X 12 X 11 MM, TAN, GRAY AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (MESENTERIC) NORMAL	
	UTERUS (UT) : -LUMEN FILLED WITH FLUID; BILATERAL: LIGHT GREEN, CLOUDY FLUID -LARGE, DIFFUSE; BILATERAL: EACH IS UP TO 20 MM IN DIAMETER	UTERUS (UT) : -DILATATION,-MODERATELY SEVERE, DIFFUSE
		CAUSE OF DEATH (CD) : -KERATIN CYST,-PRESENT
	CAVITY, THORACIC (TA) : >NOTE:>PERICARDIAL SAC AND AORTIC ARCH LACERATED; HEART FOUND FLOATING FREE WITHIN CAVITY	CAVITY, THORACIC (TA) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL
	GENERAL COMMENT (GC) : -MALOCCLUSION; BILATERAL UPPER INCISORS -FLUID-THORACIC CAVITY; DARK RED, GELATINOUS, SEMIFLUID	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91468 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/12/99 STUDY DAY OF DEATH: 442 STUDY WEEK OF DEATH: 64 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/12/99 11:40 PROSECTOR: STEVE VAN ADESTINE RECORDER: DONIA MEYER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91469 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 06/09/99 STUDY DAY OF DEATH: 500 STUDY WEEK OF DEATH: 72 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 06/09/99 8:40 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>EYES; RED DISCHARGE; EYE-LEFT; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: NOT OBSERVED
>SKIN & PELAGE; RED HAIR COAT; PERINEAL AREA; VERIFIED AT NECROPSY: NOT OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
-HEMORRHAGE,-MODERATE, MULTI-FOCAL
KIDNEY (KD) :
-MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MINIMAL, MULTI-FOCAL
PANCREAS (PA) :
-B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT
ADRENAL, CORTEX (AC) :
-ANGIECTASIS,-SEVERE, MULTI-FOCAL
-DEGENERATION, CYSTIC, CORTICAL,-MINIMAL, MULTI-FOCAL
-HEMORRHAGE,-SEVERE, MULTI-FOCAL
LN, MESENTERIC (MS) :
-INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT, MULTI-FOCAL
LUNG (LU) :
-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
-INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91469 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 06/09/99 STUDY DAY OF DEATH: 500 STUDY WEEK OF DEATH: 72 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 06/09/99 8:40 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 11 X 7 X 5 MM, RED, DARK RED, TAN, LOBULATED, AND SOFT GENERAL COMMENT (GC) : -DISCHARGE-OCULAR; BILATERAL: RED, DRY MATERIAL	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91469 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 06/09/99 STUDY DAY OF DEATH: 500 STUDY WEEK OF DEATH: 72 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 06/09/99 8:40 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91470 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/17/99 STUDY DAY OF DEATH: 477 STUDY WEEK OF DEATH: 69 TERMINAL BODY WEIGHT: 294.4 GRAMS
DATE AND TIME OF NECROPSY: 05/17/99 15:45 PROSECTOR: NANCY DIEDRICH RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EYES; PALE; EYES; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) :	BRAIN (BR) :
>SKIN & PELAGE; COLD TO TOUCH; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) :	-DILATATION, VENTRICULAR,-PRESENT
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED	-LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN AND FIRM FOCI, PINPOINT AND UP TO 1 MM IN DIAMETER	LIVER (LI) :
>SKIN & PELAGE; RED HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED	-MOTTLED; MARGIN OF LEFT LATERAL LOBE: SINGLE AREA, 28 X 13 MM, AREA APPEARS MOTTLED, RED, TAN AND FIRM; COLLECTED	-HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL, MULTI-FOCAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED		-NECROSIS, HEPATOCELLULAR,-MODERATELY SEVERE, MULTI-FOCAL
		-VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL
		KIDNEY (KD) :
		-MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL
		SPLEEN (SP) :
		-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE, DIFFUSE
		ADRENAL, CORTEX (AC) :
		-DEGENERATION, CYSTIC, CORTICAL,-MODERATE, FOCAL
		-HEMORRHAGE,-MODERATE, FOCAL
		OVARY (OV) :
		-CYST,-PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 10 X 8 X 8 MM, RED, TAN AND SOFT	-B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91470 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/17/99 STUDY DAY OF DEATH: 477 STUDY WEEK OF DEATH: 69 TERMINAL BODY WEIGHT: 294.4 GRAMS
DATE AND TIME OF NECROPSY: 05/17/99 15:45 PROSECTOR: NANCY DIEDRICH RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: MULTIPLE TAN ERODED AREAS, UP TO 8 X 5 MM -THICKENED WALL; MUCOSA, DIFFUSE	STOMACH, NONGL (SU) : -EDEMA,-MODERATELY SEVERE, MULTI-FOCAL -INFLAMMATION, ACUTE,-MODERATE, MULTI-FOCAL -ULCERATION,-MODERATELY SEVERE, MULTI-FOCAL MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL UTERUS (UT) : -DILATATION,-SLIGHT, FOCAL
	VAGINA (VA) : -SEMIFLUID MATERIAL; TAN AND MUCOID	VAGINA (VA) : >UNREMARKABLE CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; DARK BROWN AND DRY -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED AND CRUSTED -STAINS - SKIN/HAIRCOAT; ABDOMEN AND CHEST: RED AND DRY -GI TRACT-DARK DRY CONTENT; CECUM: DARK BROWN SEMIFLUID	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91470 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/17/99 STUDY DAY OF DEATH: 477 STUDY WEEK OF DEATH: 69 TERMINAL BODY WEIGHT: 294.4 GRAMS
DATE AND TIME OF NECROPSY: 05/17/99 15:45 PROSECTOR: NANCY DIEDRICH RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91471 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/01/99 STUDY DAY OF DEATH: 675 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 297.7 GRAMS
DATE AND TIME OF NECROPSY: 12/01/99 13:21 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED	LIVER (LI) :	LIVER (LI) :
	-MOTTLED; ALL LOBES: RED, DARK RED, TAN AND BROWN	-VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED	KIDNEY (KD) :	KIDNEY (KD) :
	-ROUGH SURFACE, DIFFUSE; BILATERAL	-NEPHROPATHY, CHRONIC PROGRESSIVE,-SEVERE, DIFFUSE
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	-DIFFUSELY LIGHT; BILATERAL: TAN	ADRENAL, CORTEX (AC) :
		-ANGIECTASIS,-MINIMAL, MULTI-FOCAL
		-DEGENERATION, CYSTIC, CORTICAL,-MODERATE, MULTI-FOCAL
		-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
	OVARY (OV) :	OVARY (OV) :
	-CYST(S); LEFT: SINGLE CLEAR FLUID FILLED CYST, 3 MM IN DIAMETER	-CYST,-PRESENT
		THYROID (TY) :
		-CYST, ULTIMOBRANCHIAL,-PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
	-RED FOCUS(I)/AREA(S); MID ANTERIOR ASPECT: SINGLE RED AREA, 2 X 1 MM	-HEMORRHAGE,-MODERATE, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
	SALIV GL, MANDIB (SG) :	SALIV GL, MANDIB (SG) :
	>NOTE:>TRIMMING COMMENT: MANDIBULAR SALIVARY GLANDS ARE BOTH MISSING	>TISSUE MISSING
		MAMMARY, FEMALE (MF) :
		-GALACTOCELE,-MODERATE, MULTI-FOCAL
		-B-FIBROADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91471 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/01/99 STUDY DAY OF DEATH: 675 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 297.7 GRAMS
DATE AND TIME OF NECROPSY: 12/01/99 13:21 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT LATERAL CERVICAL REGION: SINGLE MASS, 12 X 10 X 8 MM, RED, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (MANDIBULAR) NORMAL; COLLECTED -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	
		CAUSE OF DEATH (CD) : -CHRONIC PROGRESSIVE NEPHROPATHY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: RED	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91471 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/01/99 STUDY DAY OF DEATH: 675 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 297.7 GRAMS
DATE AND TIME OF NECROPSY: 12/01/99 13:21 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91472 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/06/99 STUDY DAY OF DEATH: 680 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: 674.9 GRAMS
DATE AND TIME OF NECROPSY: 12/06/99 12:21 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 67; 100 X 115MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL ADRENAL, CORTEX (AC) : -VACUOLATION,-SLIGHT, MULTI-FOCAL -B-ADENOMA,- 2 NEOPLASMS PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT VENTRAL ABDOMINAL REGION: SINGLE MASS, 115 X 105 X 45 MM (300.2 GRAMS), TAN, RED, FIRM, LOBULATED AND VASCULAR; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -B-ADENOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -MAMMARY FIBROADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91472 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/06/99 STUDY DAY OF DEATH: 680 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: 674.9 GRAMS
DATE AND TIME OF NECROPSY: 12/06/99 12:21 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91473 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 494.6 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 10:45 PROSECTOR: TERRI L. WILLIAMS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-LEFT; WEEK 87; 20 X 20MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LIVER (LI) : -LIGHT FOCUS(I)/AREA(S); CAUDATE LOBE: SINGLE TAN AREA, 2 MM IN DIAMETER; COLLECTED PITUITARY (PI) : -MASS(ES); 7 X 7 X 5 MM, DARK RED, GRAY AND SOFT STOMACH, GL (ST) : -EROSION/ULCERATION; MUCOSA, NEAR JUNCTION WITH NONGLANDULAR MUCOSA: SINGLE RED ERODED AREA, 2 MM IN DIAMETER	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -LIPIDOSIS, SUBCAPSULAR (TENSION LIPIDOSIS),-MODERATE, FOCAL >NOTE:>MINIMAL FOCAL EOSINOPHILIC FOCUS, MINIMAL FOCAL CYSTIC DEGENERATION, MINIMAL MULTIFOCAL VACUOLATION KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT -B-ADENOMA, C-CELL,-NEOPLASM PRESENT PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT STOMACH, GL (ST) : >UNREMARKABLE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91473 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 494.6 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 10:45 PROSECTOR: TERRI L. WILLIAMS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 20 X 15 X 10 MM, RED, TAN, FIRM, AND LOBULATED; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 21)	MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATE, MULTI-FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91473 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 494.6 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 10:45 PROSECTOR: TERRI L. WILLIAMS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), LUNG (LU), URINARY BLADDER (UB), LN, AXILLARY (AX)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91474 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/01/99 STUDY DAY OF DEATH: 645 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 315.2 GRAMS
DATE AND TIME OF NECROPSY: 11/01/99 11:46 PROSECTOR: NANCY DIEDRICH RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED		LIVER (LI) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
>APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	OVARY (OV) : -CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 10 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT
	PITUITARY (PI) : -MASS(ES); 10 X 10 X 8 MM, RED, DARK RED, GREY AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT PERINEAL REGION: SINGLE MASS, 30 X 25 X 15 MM, TAN, FIRM AND LOBULATED; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,-NEOPLASM PRESENT
	VAGINA (VA) : -SEMIFLUID MATERIAL; WITHIN LUMEN: GREEN MUCOID SEMIFLUID MATERIAL	VAGINA (VA) : >UNREMARKABLE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91474 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/01/99 STUDY DAY OF DEATH: 645 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 315.2 GRAMS
DATE AND TIME OF NECROPSY: 11/01/99 11:46 PROSECTOR: NANCY DIEDRICH RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	TONGUE (TO) : -MASS(ES); VENTRAL SURFACE, AT BASE: SINGLE MASS, 3 MM IN DIAMETER, TAN AND SOFT; ON SECTION EXUDES A TAN GRANULAR SEMISOLID MATERIAL; COLLECTED INTACT; REGIONAL LN (MANDIBULAR) NORMAL (CAP 21)	TONGUE (TO) : -CYST,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED AND CRUSTED -MALOCCLUSION; BILATERAL, UPPER INCISORS	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91474 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/01/99 STUDY DAY OF DEATH: 645 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 315.2 GRAMS
DATE AND TIME OF NECROPSY: 11/01/99 11:46 PROSECTOR: NANCY DIEDRICH RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), LN, MANDIBULAR (MN), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91475 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/23/99 STUDY DAY OF DEATH: 697 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: 523.0 GRAMS
DATE AND TIME OF NECROPSY: 12/23/99 7:54 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; LIMBS-HIND; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>EYES; CLEAR DISCHARGE; EYE-RIGHT; VERIFIED AT NECROPSY: NOT OBSERVED	LIVER (LI) :	LIVER (LI) :
	-MOTTLED; ALL LOBES: BROWN AND TAN	-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
>SKIN & PELAGE; RED HAIR COAT; PERINEAL AREA; VERIFIED AT NECROPSY: OBSERVED		-VACUOLATION, HEPATOCELLULAR,-MODERATELY SEVERE, MULTI-FOCAL
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) :
		-MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL
	SPLEEN (SP) :	SPLEEN (SP) :
	-SMALL; 32 X 9 X 6 MM	>UNREMARKABLE
	ADRENAL, CORTEX (AC) :	ADRENAL, CORTEX (AC) :
	-LARGE; RIGHT: 10 X 10 X 9 MM (LEFT IS 6 X 5 X 4 MM)	-ANGIECTASIS,-MODERATE, MULTI-FOCAL
		-DEGENERATION, CYSTIC, CORTICAL,-SEVERE, FOCAL
		-HEMORRHAGE,-MODERATE, MULTI-FOCAL
		-PIGMENT,-MINIMAL, MULTI-FOCAL
		-THROMBUS,-MODERATELY SEVERE, MULTI-FOCAL
	OVARY (OV) :	OVARY (OV) :
	-CYST(S); LEFT: SINGLE CLEAR FLUID FILLED CYST, 3 MM IN DIAMETER	-CYST,-PRESENT
		THYMUS (TH) :
		-CYST,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91475 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/23/99 STUDY DAY OF DEATH: 697 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: 523.0 GRAMS
DATE AND TIME OF NECROPSY: 12/23/99 7:54 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LUNG (LU) : -LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN AREAS, UP TO 2 MM IN DIAMETER	LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT, MULTI-FOCAL -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT -B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 11 X 10 X 9 MM, DARK RED, TAN, AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: MULTIPLE TAN ERODED AREAS, UP TO 3 MM IN DIAMETER	STOMACH, NONGL (SU) : >UNREMARKABLE
	UTERUS (UT) : -MASS(ES); INVOLVING ENTIRE LEFT HORN: SINGLE MASS, 45 X 17 X 17 MM, RED, DARK RED, TAN, AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (SEE LUMBAR)	UTERUS (UT) : -DILATATION,-SEVERE, DIFFUSE -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -INFLAMMATION, ACUTE,-SLIGHT, MULTI-FOCAL -NECROSIS,-MODERATE, MULTI-FOCAL -B-POLYP, ENDOMETRIAL, STROMAL,-NEOPLASM PRESENT
	VAGINA (VA) : -SEMIFLUID MATERIAL; WITHIN LUMEN: CONTAINS A DARK RED SEMIFLUID	VAGINA (VA) : >UNREMARKABLE
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91475 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/23/99 STUDY DAY OF DEATH: 697 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: 523.0 GRAMS
DATE AND TIME OF NECROPSY: 12/23/99 7:54 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	CAVITY, ABDOM (PC) : -MASS(ES); ATTACHED TO ADIPOSE TISSUE CRANIAL TO RIGHT OVARY AND MEDIAL TO RIGHT UTERINE HORN: TWO MASSES, ONE IS 15 X 10 X 5 MM, THE OTHER IS 7 X 6 X 5 MM, BOTH ARE YELLOW AND FIRM; BOTH ARE SAME ON CUT SURFACE (CAP 22); REGIONAL LN (SEE LUMBAR)	CAVITY, ABDOM (PC) : -NECROSIS, FAT,-PRESENT
	LN, LUMBAR/ILIAC (LM) : -LARGE; BILATERAL: EACH IS UP TO 7 X 7 X 5 MM (CAP 23)	LN, LUMBAR/ILIAC (LM) : -DILATATION, SINUSOIDAL,-SLIGHT, MULTI-FOCAL -HEMORRHAGE,-MINIMAL, MULTI-FOCAL
	FOOT/FOOTPAD(S) (FP) : -CRUSTED AREA(S); BILATERAL HIND FEET: SINGLE DARK RED AND DRY AREA ON EACH, LEFT IS 5 MM IN DIAMETER, RIGHT IS 7 MM IN DIAMETER; BOTH COLLECTED	FOOT/FOOTPAD(S) (FP) : -EDEMA,-MODERATE, FOCAL -EROSION,-MODERATE, FOCAL -INFLAMMATION, ACUTE,-MINIMAL, MULTI-FOCAL
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; DARK RED AND MOIST -BLOOD FILM TAKEN -DISCHARGE-OCULAR; RIGHT: DARK RED AND DRY	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91475 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/23/99 STUDY DAY OF DEATH: 697 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: 523.0 GRAMS
DATE AND TIME OF NECROPSY: 12/23/99 7:54 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91476 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/05/99 STUDY DAY OF DEATH: 557 STUDY WEEK OF DEATH: 80 TERMINAL BODY WEIGHT: 303.6 GRAMS
DATE AND TIME OF NECROPSY: 08/05/99 15:15 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
>RESPIRATION; AUDIBLE; VERIFIED AT NECROPSY: NOT APPLICABLE		
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	ADRENAL, CORTEX (AC) : -LARGE; LEFT: 4 X 4 X 6 MM (RIGHT IS 3 X 4 X 5 MM)	ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL
>RESPIRATION; IRREGULAR; VERIFIED AT NECROPSY: NOT APPLICABLE		ADRENAL, MEDULLA (MA) : -VACUOLATION,-MODERATE, MULTI-FOCAL -B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 6 X 7 X 11 MM, SOFT, RED, DARK RED AND TAN	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
	MAMMARY, FEMALE (MF) : -THICKENED; ALL REGIONS, DIFFUSE: COLLECTED WITH ROUTINE SECTION	MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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ANIMAL NUMBER: C91476 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/05/99 STUDY DAY OF DEATH: 557 STUDY WEEK OF DEATH: 80 TERMINAL BODY WEIGHT: 303.6 GRAMS
DATE AND TIME OF NECROPSY: 08/05/99 15:15 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY, RED MATERIAL	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91477 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/13/99 STUDY DAY OF DEATH: 596 STUDY WEEK OF DEATH: 86 TERMINAL BODY WEIGHT: 296.1 GRAMS
DATE AND TIME OF NECROPSY: 09/13/99 15:42 PROSECTOR: DENNIS HOFFMAN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 46; 60 X 70MM; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

PITUITARY (PI) :
-MASS(ES); SINGLE MASS, 6 X 6 X 10 MM, SOFT, RED, DARK RED AND TAN

MAMMARY, FEMALE (MF) :
-MASS(ES); LEFT PERIANAL REGION: SINGLE MASS, 33 X 50 X 68 MM, RED, DARK RED, TAN, FIRM AND LOBULATED; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
-DILATATION, VENTRICULAR,-PRESENT
KIDNEY (KD) :
-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
-MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL
ADRENAL, CORTEX (AC) :
-DEGENERATION, CYSTIC, CORTICAL,-MINIMAL, MULTI-FOCAL
LUNG (LU) :
-MINERALIZATION,-MINIMAL, FOCAL
PITUITARY (PI) :
-HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL
-B-ADENOMA,-NEOPLASM PRESENT
MAMMARY, FEMALE (MF) :
-GALACTOCELE,-MODERATE, MULTI-FOCAL
-B-FIBROADENOMA,-NEOPLASM PRESENT
VAGINA (VA) :
>UNREMARKABLE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	VAGINA (VA) : -SEMIFLUID MATERIAL; WITHIN LUMEN: LIGHT GREEN MUCOID MATERIAL	
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; MOIST YELLOW MATERIAL -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY RED MATERIAL -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91478 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 09/10/99 STUDY DAY OF DEATH: 593 STUDY WEEK OF DEATH: 85 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 09/10/99 13:52 PROSECTOR: TONY HANFELD RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>MASS(ES); AXILLARY REGION-LEFT; WEEK 78; 70 X 70MM; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; SORE/SCAB; DORSAL-THORACIC-LEFT; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; RED HAIR COAT; HEAD-CRANIAL; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

LIVER (LI) :
-LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN AREAS, UP TO 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION

HISTOPATHOLOGY

LIVER (LI) :
-NECROSIS, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL
-THROMBUS,-MODERATE, FOCAL
-X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
KIDNEY (KD) :
-MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL
SPLEEN (SP) :
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATELY SEVERE, DIFFUSE
ADRENAL, CORTEX (AC) :
-ANGIECTASIS,-MODERATELY SEVERE, FOCAL
-THROMBUS,-MODERATELY SEVERE, FOCAL
LN, MESENTERIC (MS) :
-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
LUNG (LU) :
-HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL
-INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT, MULTI-FOCAL
PITUITARY (PI) :
-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
-PIGMENT,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT ILEUM (IL) : >AUTOLYTIC RECTUM (RE) : >TISSUE MISSING SKIN (SK) : -INFLAMMATION, ACUTE,-MODERATE, FOCAL -ULCERATION,-MODERATELY SEVERE, FOCAL -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 70 X 50 X 35 MM, RED, DARK RED, TAN, FIRM AND LOBULATED; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (SEE AXILLARY); OVERLYING SKIN HAS A SINGLE RED AND DARK RED CRUSTED AREA, 55 X 34 MM; COLLECTED INTACT WITH MASS	MAMMARY, FEMALE (MF) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
		UTERUS (UT) : -DILATATION,-MINIMAL, FOCAL CAUSE OF DEATH (CD) : -MALIGNANT FIBROUS HISTIOSARCOMA,-PRESENT HEMATO NEOPLASIA (HN) : -M-MALIGNANT FIBROUS HISTIOCYTOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91478 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 09/10/99 STUDY DAY OF DEATH: 593 STUDY WEEK OF DEATH: 85 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 09/10/99 13:52 PROSECTOR: TONY HANFELD RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LN, AXILLARY (AX) : -LARGE; LEFT: 34 X 17 X 8 MM (RIGHT IS 4 X 3 X 2 MM) (CAP 21) GENERAL COMMENT (GC) : -STAINS - SKIN/HAIRCOAT; ENTIRE HEAD: RED AND DRY MATERIAL	LN, AXILLARY (AX) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT

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DATE AND TIME OF NECROPSY: 09/10/99 13:52 PROSECTOR: TONY HANFELD RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), CECUM (CE), COLON (CO), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91479 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 596.2 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 13:38 PROSECTOR: TERRI L. WILLIAMS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -LIGHT FOCUS(I)/AREA(S); DIAPHRAGMATIC SURFACE OF LEFT LATERAL LOBE: SINGLE TAN AREA, 15 X 3 MM; COLLECTED ON ROUTINE SECTION -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 6 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : -FIBROSIS,-SLIGHT, MULTI-FOCAL -TELANGIECTASIS,-SLIGHT, MULTI-FOCAL -VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL -B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT KIDNEY (KD) : -MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT -B-ADENOMA, C-CELL,-NEOPLASM PRESENT MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATE, MULTI-FOCAL -MINERALIZATION,-MINIMAL, MULTI-FOCAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), URINARY BLADDER (UB)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91480 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 421.5 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 12:49 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 5 MM IN DIAMETER; COLLECTED SECTIONS PITUITARY (PI) : -MASS(ES); 8 X 6 X 6 MM, DARK RED, TAN, GREY, AND SOFT	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -TELANGIECTASIS,-MINIMAL, FOCAL KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -MINERALIZATION, PELVIC,-MINIMAL, FOCAL THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA, C-CELL,-NEOPLASM PRESENT PITUITARY (PI) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT MAMMARY, FEMALE (MF) : -GALACTOCELE,-MINIMAL, MULTI-FOCAL CERVIX (CV) : -B-LEIOMYOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	CERVIX (CV) : -MASS(ES); EXTENDING INTO VAGINA: SINGLE MASS, 12 X 10 X 10 MM, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (ILIAC) NORMAL (CAP 20)	
	UTERUS (UT) : -CYST(S); MID PORTION OF RIGHT HORN: SINGLE CLEAR FLUID FILLED CYST, 3 MM IN DIAMETER	UTERUS (UT) : -DILATATION,-MODERATE, FOCAL
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
		LN, OTHER (LN) : >UNREMARKABLE >NOTE:>ILIAC LYMPH NODE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

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DATE AND TIME OF NECROPSY: 01/27/00 12:49 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), LUNG (LU), URINARY BLADDER (UB)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91481 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/18/99 STUDY DAY OF DEATH: 509 STUDY WEEK OF DEATH: 73 TERMINAL BODY WEIGHT: 303.6 GRAMS
DATE AND TIME OF NECROPSY: 06/18/99 14:45 PROSECTOR: KEVIN BILLINGS RECORDER: DONIA MEYER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 61; 50 X 40MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
		-DILATATION, VENTRICULAR,-PRESENT
>SKIN & PELAGE; SORE/SCAB; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED		-HEMORRHAGE,-MODERATE, MULTI-FOCAL
		-I-PITUITARY CARCINOMA,-NEOPLASM PRESENT
>SKIN & PELAGE; BLUE SKIN; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) :
		-MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT APPLICABLE		-MINERALIZATION, TUBULAR,-MINIMAL, MULTI-FOCAL
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE		ADRENAL, CORTEX (AC) :
		-DEGENERATION, CYSTIC, CORTICAL,-SLIGHT, FOCAL
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE	OVARY (OV) :	OVARY (OV) :
	-CYST(S); LEFT: SINGLE CLEAR FLUID FILLED CYST, 6 MM IN DIAMETER	-CYST,-PRESENT
	THYMUS (TH) :	THYMUS (TH) :
	>NOTE:>TRIMMING COMMENT: MISSING AT TRIMMING	>TISSUE MISSING
		LUNG (LU) :
		-INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT, MULTI-FOCAL
		PITUITARY (PI) :
		-HEMORRHAGE,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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DATE AND TIME OF NECROPSY: 06/18/99 14:45 PROSECTOR: KEVIN BILLINGS RECORDER: DONIA MEYER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 8 MM IN DIAMETER, DARK RED AND SOFT	PITUITARY (PI) : -M-CARCINOMA,-NEOPLASM PRESENT
		STOMACH, NONGL (SU) : -EDEMA,-SLIGHT, MULTI-FOCAL
	SKIN (SK) : >NOTE:>COLLECTED FROM RIGHT INGUINAL REGION DUE TO MAMMARY MASS	SKIN (SK) : -EDEMA,-MODERATE, FOCAL -INFLAMMATION, ACUTE,-MODERATE, FOCAL -ULCERATION,-MODERATE, FOCAL
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION, EXTENDING TO LEFT PERIANAL REGION: SINGLE MASS, 70 X 50 X 25 MM, RED, TAN, FIRM AND LOBULATED; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED; OVERLYING SKIN HAS MULTIPLE DARK RED AND DRY ABRADED AREAS, UP TO 8 MM IN DIAMETER; COLLECTED INTACT WITH MASS >NOTE:>COLLECTED FROM RIGHT INGUINAL REGION DUE TO MAMMARY MASS	MAMMARY, FEMALE (MF) : -M-CARCINOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -PITUITARY CARCINOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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DATE AND TIME OF NECROPSY: 06/18/99 14:45 PROSECTOR: KEVIN BILLINGS RECORDER: DONIA MEYER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91482 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/01/99 STUDY DAY OF DEATH: 645 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 281.6 GRAMS
DATE AND TIME OF NECROPSY: 11/01/99 11:45 PROSECTOR: CHANESTA ACKER RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 72; 30 X 35MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: NOT OBSERVED		LIVER (LI) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE		ADRENAL, CORTEX (AC) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL
>APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE		LN, MESENTERIC (MS) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL, MULTI-FOCAL
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE		THYMUS (TH) : -CYST,-PRESENT
>EYES; PALE; EYES; VERIFIED AT NECROPSY: NOT APPLICABLE		PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE	PITUITARY (PI) : -MASS(ES); 10 X 8 X 6 MM, RED, DARK RED, TAN AND SOFT	HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
		SKIN (SK) : -INFLAMMATION, CHRONIC-ACTIVE,-SEVERE, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91482 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/01/99 STUDY DAY OF DEATH: 645 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 281.6 GRAMS
DATE AND TIME OF NECROPSY: 11/01/99 11:45 PROSECTOR: CHANESTA ACKER RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		SKIN (SK) : -ULCERATION,-SLIGHT, FOCAL
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT INGUINAL REGION: TWO MASSES, ONE IS 40 X 30 X 20 MM, TAN, FIRM AND LOBULATED; SAME ON CUT SURFACE; THE OTHER IS 20 X 18 X 10 MM, RED, DARK RED, TAN AND SOFT; ON SECTION EXUDES A DARK RED CREAMY SEMIFLUID; BOTH COLLECTED INTACT; REGIONAL LN (INGUINAL) NORMAL (CAP 21)	MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATE, MULTI-FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT
		CERVIX (CV) : -DILATATION,-MODERATE, FOCAL -B-POLYP, ENDOMETRIAL STROMAL,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
		LN, INGUINAL (IN) : >TISSUE MISSING
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91482 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/01/99 STUDY DAY OF DEATH: 645 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 281.6 GRAMS
DATE AND TIME OF NECROPSY: 11/01/99 11:45 PROSECTOR: CHANESTA ACKER RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91483 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/22/99 STUDY DAY OF DEATH: 666 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/22/99 11:05 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EYES; RED DISCHARGE; EYE-RIGHT; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; SWOLLEN; LIMB-HIND-RIGHT; VERIFIED AT NECROPSY: NOT OBSERVED	PITUITARY (PI) : -LARGE; 7 X 5 X 3 MM; APPEARS SWOLLEN	EYE (EY) : -INFLAMMATION, CHRONIC-ACTIVE, CORNEAL,-MINIMAL, MULTI-FOCAL -VASCULARIZATION, CORNEAL,-SLIGHT, MULTI-FOCAL BRAIN (BR) : -VACUOLATION, WHITE MATTER,-MODERATE, MULTI-FOCAL KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -DILATATION, PELVIC,-PRESENT -MINERALIZATION, PELVIC,-MINIMAL, FOCAL ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL SPINAL CORD (SC) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL PITUITARY (PI) : -PIGMENT,-MINIMAL, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT JEJUNUM (JE) : >AUTOLYTIC MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91483 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/22/99 STUDY DAY OF DEATH: 666 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/22/99 11:05 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MAMMARY, FEMALE (MF) : -MINERALIZATION,-MINIMAL, MULTI-FOCAL UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-MINIMAL, MULTI-FOCAL CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL -LARGE; BILATERAL: EACH IS 10 X 6 X 3 MM; COLLECTED GENERAL COMMENT (GC) : -DISCHARGE-ORAL; DARK RED AND DRY -DISCHARGE-OCULAR; RIGHT: DARK RED AND DRY	LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOCYTIC,-MODERATE, DIFFUSE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE OF DEATH: 11/22/99 STUDY DAY OF DEATH: 666 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/22/99 11:05 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91484 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/31/99 STUDY DAY OF DEATH: 491 STUDY WEEK OF DEATH: 71 TERMINAL BODY WEIGHT: 186.1 GRAMS
DATE AND TIME OF NECROPSY: 05/31/99 10:29 PROSECTOR: JOHN S. HALFORD RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-MODERATE, MULTI-FOCAL
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE		THYMUS (TH) : >SECTION EXAMINED; TISSUE NOT PRESENT
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL
>SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE		
>SKIN & PELAGE; COLD TO TOUCH; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE	PITUITARY (PI) : -MASS(ES); 11 X 9 X 8 MM, DARK RED, GRAY, LOBULATED, AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE BROWN AREAS, UP TO 2 X 1 MM	STOMACH, GL (ST) : >UNREMARKABLE
		MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL UPPER INCISORS	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91484 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/31/99 STUDY DAY OF DEATH: 491 STUDY WEEK OF DEATH: 71 TERMINAL BODY WEIGHT: 186.1 GRAMS
DATE AND TIME OF NECROPSY: 05/31/99 10:29 PROSECTOR: JOHN S. HALFORD RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-ANIMAL THIN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91485 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 438.8 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 11:01 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 4 X 3 MM; COLLECTED ON ROUTINE SECTIONS LUNG (LU) : -LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN AREAS, UP TO 5 MM IN DIAMETER PITUITARY (PI) : -DARK FOCUS(I)/AREA(S); ANTERIOR ASPECT: SINGLE BLACK AREA, 5 X 3 MM MAMMARY, FEMALE (MF) : -CYST(S); RIGHT PERINEAL REGION: MULTIPLE WHITE, TAN, AND CREAMY, SEMISOLID FILLED CYSTS, UP TO 15 MM IN DIAMETER; (CAP 20)	LIVER (LI) : -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL -TELANGIECTASIS,-MINIMAL, FOCAL KIDNEY (KD) : -MINERALIZATION, PELVIC,-MODERATE, FOCAL PANCREAS (PA) : -ATROPHY, ACINAR,-MINIMAL, FOCAL LUNG (LU) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL -INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT, MULTI-FOCAL THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT PITUITARY (PI) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATE, MULTI-FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91485 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 438.8 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 11:01 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, MANDIBULAR (MN) : -MOTTLED; BILATERAL: DARK RED, AND TAN	LN, MANDIBULAR (MN) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL, UPPER INCISORS -BONE MARROW SMEAR TAKEN -TEETH MISSING/BROKEN/WORN; BILATERAL UPPER INCISORS: BROKEN OFF AT BASE	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 01/27/00 11:01 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
URINARY BLADDER (UB)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91486 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/27/99 STUDY DAY OF DEATH: 640 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: 261.2 GRAMS
DATE AND TIME OF NECROPSY: 10/27/99 15:00 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>EYES; OPAQUE; EYE-RIGHT; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; MISSING; TAIL-PROXIMAL; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: NOT OBSERVED
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; SWOLLEN; MOUTH; VERIFIED AT NECROPSY: NOT OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

EYE (EY) :
-OPAQUE CORNEA; RIGHT

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

EYE (EY) :
-SYNECHIA, ANTERIOR,-PRESENT
-VASCULARIZATION, CORNEAL,-SLIGHT, FOCAL
>NOTE:>RIGHT EYE
BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
KIDNEY (KD) :
-HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT, MULTI-FOCAL
-MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL
PANCREAS (PA) :
-ATROPHY, ACINAR,-MINIMAL, MULTI-FOCAL
ADRENAL, CORTEX (AC) :
-DEGENERATION, CYSTIC, CORTICAL,-MINIMAL, FOCAL
-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
THYMUS (TH) :
>SECTION EXAMINED; TISSUE NOT PRESENT
PITUITARY (PI) :
-HEMORRHAGE,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91486 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/27/99 STUDY DAY OF DEATH: 640 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: 261.2 GRAMS
DATE AND TIME OF NECROPSY: 10/27/99 15:00 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 12 MM IN DIAMETER, DARK RED, TAN, AND SOFT	PITUITARY (PI) : -PIGMENT,-MINIMAL, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,-NEOPLASM PRESENT CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
	LN, MANDIBULAR (MN) : -LARGE; BILATERAL: EACH IS UP TO 12 X 8 X 3 MM; (CAP 21) LN, LUMBAR/ILIAC (LM) : -LARGE; BILATERAL: EACH IS UP TO 11 X 6 X 3 MM (CAP 22) LN, RENAL (RL) : -LARGE; BILATERAL: EACH IS UP TO 10 X 4 X 3 MM (CAP 23) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN -TAIL - BENT/MISSING; TIP: MISSING, PORTION OF REMAINING TAIL COLLECTED	LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOCYTIC,-SLIGHT, MULTI-FOCAL LN, LUMBAR/ILIAC (LM) : -HYPERPLASIA, LYMPHOCYTIC,-MINIMAL, MULTI-FOCAL LN, RENAL (RL) : -HYPERPLASIA, LYMPHOCYTIC,-SLIGHT, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91486 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/27/99 STUDY DAY OF DEATH: 640 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: 261.2 GRAMS
DATE AND TIME OF NECROPSY: 10/27/99 15:00 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91487 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 682.7 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 13:31 PROSECTOR: JAMES T. CALLEN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MODERATE, MULTI-FOCAL -VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL
	PITUITARY (PI) : -MASS(ES); 9 X 7 X 5 MM, RED, DARK RED, TAN, AND FIRM STOMACH, GL (ST) : -RED FOCUS(I)/AREA(S); MUCOSA: MULTIPLE RED AREAS, UP TO 1 MM IN DIAMETER	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT STOMACH, GL (ST) : >UNREMARKABLE
		MAMMARY, FEMALE (MF) : -GALACTOCELE,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91487 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 682.7 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 13:31 PROSECTOR: JAMES T. CALLEN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		URINARY BLADDER (UB) : -INFLAMMATION, CHRONIC,-MINIMAL, FOCAL
	UTERUS (UT) : -CYST(S); WITHIN LUMEN OF LEFT HORN, 14 MM FROM BIFURCATION: SINGLE DARK RED FLUID FILLED CYST, 4 MM IN DIAMETER	UTERUS (UT) : -DILATATION,-MODERATE, FOCAL -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-MODERATE, MULTI-FOCAL
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: DARK RED (CAP 20)	LN, MANDIBULAR (MN) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -ANIMAL OBESE	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91487 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 682.7 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 13:31 PROSECTOR: JAMES T. CALLEN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), THYROID (TY)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91488 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 507.0 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 13:09 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: NOT OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 3 MM IN DIAMETER, COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : >UNREMARKABLE
		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL
	OVARY (OV) : -CYST(S); LEFT: SINGLE CLEAR FLUID FILLED CYST, 5 MM IN DIAMETER	OVARY (OV) : >UNREMARKABLE
		LUNG (LU) : -INFLAMMATION, CHRONIC,-MINIMAL, FOCAL
		MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATE, MULTI-FOCAL
	UTERUS (UT) : -CYST(S); DISTAL END OF LEFT HORN, WITHIN WALL: SINGLE CLEAR FLUID FILLED CYST, 8 X 5 X 5 MM	UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-MODERATE, MULTI-FOCAL
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91488 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 507.0 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 13:09 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: DARK RED; COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	LN, MANDIBULAR (MN) : -DILATATION, SINUSOIDAL,-SLIGHT, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), THYROID (TY), URINARY BLADDER (UB)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91489 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 08/09/99 STUDY DAY OF DEATH: 561 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 08/09/99 13:36 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-CERVICAL-LEFT; WEEK 79; 20 X 15MM; VERIFIED AT NECROPSY: OBSERVED	EYE (EY) : -WHITE INTRAOCULAR MATERIAL; LEFT LIVER (LI) : -DIFFUSELY LIGHT; ALL LOBES: TAN -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 4 X 6 MM (COLLECTED WITH ROUTINE SECTIONS) PITUITARY (PI) : -RED FOCUS(I)/AREA(S); RIGHT ASPECT: SINGLE DARK RED AREA, 2 X 4 MM MAMMARY, FEMALE (MF) : -MASS(ES); LEFT CERVICAL REGION: SINGLE MASS, 11 X 20 X 25 MM, FIRM, RED, TAN AND LOBULATED; SAME ON CUT SURFACE (CAP 21); REGIONAL LN (MANDIBULAR) NORMAL (CAP 22)	EYE (EY) : >UNREMARKABLE LIVER (LI) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL THYROID (TY) : -INFLAMMATION, CHRONIC,-SLIGHT, MULTI-FOCAL PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT MAMMARY, FEMALE (MF) : -GALACTOCELE,-MINIMAL, MULTI-FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91489 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 08/09/99 STUDY DAY OF DEATH: 561 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 08/09/99 13:36 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT LN, MANDIBULAR (MN) : >TISSUE MISSING
	LN, MEDIASTINAL (ML) : -DIFFUSELY RED; DARK RED (CAP 23) GENERAL COMMENT (GC) : -FLUID-THORACIC CAVITY; FILLED WITH A DARK RED FLUID AND A DARK RED CLOTTED MATERIAL	LN, MEDIASTINAL (ML) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91489 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 08/09/99 STUDY DAY OF DEATH: 561 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 08/09/99 13:36 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91490 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/23/99 STUDY DAY OF DEATH: 575 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: 417.4 GRAMS
DATE AND TIME OF NECROPSY: 08/23/99 12:11 PROSECTOR: DAVID SCHUETTE RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-THORACIC-RIGHT; WEEK 75; 20 X 30MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
	LIVER (LI) :	LIVER (LI) :
>SKIN & PELAGE; SORE/SCAB; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED	-DIFFUSELY LIGHT; ALL LOBES: TAN	>UNREMARKABLE
		KIDNEY (KD) :
		-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED		-MINERALIZATION, PELVIC,-MINIMAL, FOCAL
		SPLEEN (SP) :
>SKIN & PELAGE; SORE/SCAB; VENTRAL-THORACIC-RIGHT; VERIFIED AT NECROPSY: OBSERVED		-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE, DIFFUSE
		ADRENAL, CORTEX (AC) :
		-ANGIECTASIS,-MODERATE, MULTI-FOCAL
		-HEMORRHAGE,-MODERATE, MULTI-FOCAL
		THYROID (TY) :
		-CYST, ULTIMOBRANCHIAL,-PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 8 X 7 X 5 MM, DARK RED, TAN AND SOFT	-HEMORRHAGE,-MODERATE, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
		SKIN (SK) :
		-ULCERATION,-SEVERE, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C91490 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/23/99 STUDY DAY OF DEATH: 575 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: 417.4 GRAMS
DATE AND TIME OF NECROPSY: 08/23/99 12:11 PROSECTOR: DAVID SCHUETTE RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	SKIN (SK) : -MASS(ES); VENTRAL ABDOMINAL REGION: SINGLE MASS, 20 X 17 X 8 MM, TAN AND FIRM; ON SECTION, EXUDES A TAN CASEOUS SEMISOLID MATERIAL; OVERLYING SKIN HAS A DRY AND DARK RED CRUSTED AREA, 15 MM IN DIAMETER; COLLECTED INTACT; REGIONAL LN (INGUINAL) NOT IDENTIFIED	
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT VENTRAL THORACIC REGION: SINGLE MASS, 25 X 25 X 15 MM, TAN AND SOFT; SAME ON CUT SURFACE; OVERLYING SKIN HAS A MOIST, DARK RED AND CRUSTED ULCERATED AREA; COLLECTED INTACT; REGIONAL LN (AXILLARY) NORMAL (CAP 20)	MAMMARY, FEMALE (MF) : -GALACTOCELE,-MINIMAL, MULTI-FOCAL -M-CARCINOMA,- 2 NEOPLASMS PRESENT
		CAUSE OF DEATH (CD) : -PITUITARY ADENOMA,-PRESENT
		LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOCYTIC,-SLIGHT, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL, UPPER INCISORS -ANIMAL OBESE	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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ANIMAL NUMBER: C91490 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML), CAVITY, ABDOM (PC), CAVITY, ORAL (OC), LN, ANT MES/PANC (AP), LN, LUMBAR/ILIAC (LM), LN, RENAL (RL), LN, AXILLARY (AX), CALVARIUM/SKULL (CA), TAIL (TI), ANUS (AN), FOOT/FOOTPAD(S) (FP), LN, INGUINAL (IN), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), AORTA (AO), AUDITORY SEB GL (AS), AORTIC ARCH (AA), LN, TRACHEOBRON (TB), URETER (UE), PINNA (PN), LN, POPLITEAL (PP), CAVITY, THORACIC (TA), SUBCUTANEOUS TIS (SQ), TONGUE (TO), DIAPHRAGM (DP), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

APPENDIX 7

Cell Proliferation Report

Note: This appendix contains information supplied by the Sponsor and has been reviewed by the Quality Assurance Unit of Pathology Associates International.

PATHOLOGY ASSOCIATES
A CHARLES RIVER COMPANY

CELL PROLIFERATION REPORT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS COVANCE STUDY NUMBER 6329-212

PREPARED FOR:

3M
TOXICOLOGY SERVICES
BUILDING 220-2E-02, 3M CENTER
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PREPARED BY:

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FREDERICK, MD 21701

PATHOLOGY ASSOCIATES
A CHARLES RIVER COMPANY

FINAL REPORT AMENDMENTS

Study Number:	Covance Study No. 6329-212
Title:	104-Week Dietary Carcinogenicity Study with Narrow Range (98.1%) N-Ethyl Perfluorooctanesulfonamido Ethanol in Rats
Date of Final Report:	August 17, 1998
Amendments:	(1) Cover page: Header and company name changed to reflect new name. Company name also changed on page I-1 , paragraph 2 in PURPOSE section. (2) Cover page: "FINAL" deleted. (3) Table of Contents page added; Section pages I-VI added. (4) Header changed globally to reflect section in the page number and to reflect amended final report. (5) PURPOSE: Paragraph added to reflect that Dr. Carolyn Moyer was unable to sign the final report and that Dr. Mark Butt signed in her place. (6) RESULTS: Reference to Tables and Figures changed to reflect Sections containing Tables and Figures. (7) RESULTS: Histopathology findings moved from Appendix I to Section IV. (8) Page I-4, Line 5: Week 8 changed to week 14. (9) Page numbers changed to reflect section. (10) Tables: Removed "Pathology Associates International" from footer. (11) Signature page changed from Section IV to Section V. (12) QA Statement changed from Section V to Section VI. (13) Entire report: font changed.

Reason for Amendments:

(1) Pathology Associates International acquired by Charles River Laboratories with subsequent name change to Pathology Associates - A Charles River Company.

(2) Formatting

(3) Formatting

(4) Formatting

(5) Dr. Moyer on medical leave and unable to sign report.

(6) Formatting

(7) Formatting

(8) Correction

(9) Sections added

(10) Formatting

(11) Formatting

(12) Formatting

(13) Formatting

Sandra Eldridge

Sandra R. Eldridge, Ph.D.
Project Manager
Pathology Associates - A Charles River Company

10-30-01
Date

Quality Assurance
Pathology Associates - A Charles River Company

October 30, 2001
Date

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I. REPORT NARRATIVE

CELL PROLIFERATION REPORT FOR:

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS COVANCE STUDY NUMBER 6329-212

PURPOSE

The purpose of the study was to assess the carcinogenicity of the test material when administered in the diet to rats for at least 104 weeks.

This report, submitted by Pathology Associates - A Charles River Company (PAI), formerly Pathology Associates International, to the study Sponsor, 3M, represents the cell proliferation findings and interpretation for Covance Study Number 6329-212 entitled "104-Week Dietary Carcinogenicity Study with Narrow Range (98.1%) N-Ethyl Perfluorooctanesulfonamido Ethanol In Rats". All aspects of the tasks associated with PAI's portion of this study were conducted in compliance with the Food and Drug Administration Good Laboratory Practice (GLP) Regulations as set forth in Title 21 of the US Code of Federal Regulations, Part 58, issued December 22, 1978 (effective June 20, 1979), and with any applicable amendments.

At the request of the Sponsor, the portion evaluated and reported by Dr. Carolyn Moyer has been signed by Dr. Mark Butt, General Manager and Director of Pathology at PAI. Dr. Moyer is currently on medical leave and unavailable for signature.

MATERIALS AND METHODS

Tissue Collection for Cell Proliferation

Five animals per sex per group in groups 1 through 5 were sacrificed during week 4, five animals per sex per group in groups 1 and 5 were sacrificed during week 8, and five animals per sex per group in groups 1 through 4 were sacrificed during week 14 for hepatocellular proliferation. A section of the left lateral lobe of the liver from each of 5 rats per group (groups 1-5) was fixed and processed to paraffin block by Covance per protocol specifications. Tissue blocks were shipped to PAI for sectioning and staining. From each block, a slide was prepared for H&E evaluation and immunohistochemical detection of proliferating cell nuclear antigen (PCNA), a marker of cell proliferation.

Immunohistochemistry for Cell Proliferation

Sections of paraffin-embedded tissues were cut at 5 μm and placed on positively charged slides (Superfrost Plus, Fisher Scientific, Pittsburgh, PA) to ensure adhesion during processing for PCNA. Standard immunohistochemical methods were used to stain tissues for PCNA (PAI's SOP for immunohistochemistry). Briefly, tissue sections were incubated with a monoclonal antibody to PCNA (DAKO, lot #016, PAI No. A1723) and reagents required for the avidin-biotin

peroxidase (ABC Kit; PAI No. K 309 and K 321) method for the detection of the antigen-antibody complex. PCNA expression in cells in all phases of the cell cycle (G_1, S, G_2 and M) was localized by the chromagen 3,3'-diaminobenzidine (DAB; Sigma Chemical Co., lot #17H8927). Tissue sections were counterstained with hematoxylin.

Cell Proliferation Measurements

Positive staining for PCNA was categorized based on cellular distribution and intensity of the brown to black reaction product that correlated with the different phases of the cell cycle (Eldridge et al., 1993). Uniform, dark brown to black nuclear staining was judged to be positive for S phase cells. A cell in the G_1 phase of the cell cycle had diffuse, stippled nuclear staining that was lighter than a cell in S phase. Cells in the G_2 phase exhibited distinct, diffuse cytoplasmic stippling with or without nuclear staining. Mitotic figures were conspicuous with diffuse cytoplasmic stippling. The percentage of hepatocytes in each phase of the cell cycle (labeling index, LI) was determined by scoring at least 3000 hepatocytes in 10 randomly selected fields per animal. In addition, a proliferating index (PI; G_1+S+G_2+M phases combined) was determined and expressed as a percentage. A negative control slide was included in the staining run and consisted of study tissue that was not incubated with the primary antibody.

For cell proliferation evaluations, slides were first perused at low magnification (100X) to judge quality of staining, processing and sectioning, pattern of cell labeling (e.g., centrilobular or panlobular, extrahepatocellular proliferation, such as Kupffer cells, bile duct epithelium, endothelium), and histomorphologic changes. The later was further assessed by evaluating the serial H&E slide for each animal evaluated for cell proliferation. Cell proliferation was then quantified at higher magnification (200X) as described above.

Statistical Analysis

The Student's *t*-test (two-sided, unequal variance) was used to test for statistical significance in PI between control and treatment groups using Microsoft Excel version 5.0. A *P* value of 0.05 was judged to be statistically significant.

RESULTS

Cell Proliferation

Individual animal and group mean cell proliferation data are presented in Section II (Tables II-1 to III-4) and graphically in Section III (Figures III-1 and III-2. The percentage of proliferating hepatocytes (PI) was significantly increased only in male rats exposed to the highest dose of the test material at 4 weeks on study.

Histopathology

Sections from the same tissue blocks used for preparation of PCNA-stained slides were stained with hematoxylin and eosin (H&E) for histopathologic evaluation to facilitate the interpretation of the immunostained slides. Individual animal findings and group summaries are presented in Section IV.

Week 4 Findings

Histomorphologic evaluation revealed hepatocellular hypertrophy, central vein vasodilation, hematopoietic cell proliferation, and mononuclear cell infiltrates in the periductular connective tissue of the portal sections of the liver in all animals of all dose groups, including controls. The hepatocellular hypertrophy was characterized by enlargement of a single cell layer of hepatocytes around central veins in a centrilobular pattern and below the serosal surface of the livers. The cytoplasm of these enlarged cells was consistently foamy and/or lacy in appearance. The nuclei, however, appeared normal, in that no evidence of pyknosis, margination of chromatin, or other changes of nuclear degeneration were evident. Frequently, the veins around which these hepatocytes were located, were dilated and partially blood-filled. The livers of two male animals, C90984 and C91005, had narrow areas of focal necrosis extending from the serosal surface into the hepatocellular parenchyma. The centrilobular hepatocellular changes were considered to be associated with pentobarbital anesthesia.

Week 8 and 14 Findings

The results of histomorphologic evaluation showed hepatocellular hypertrophy in high-dose male rats and a subset of control male and female rats that were sacrificed at 8 weeks into the study. These changes were considered to be consistent with changes that occur with pentobarbital anesthesia, as seen in animals sacrificed at 4 weeks on study. The male and female animals from dose groups 2-4 and control animals from group 1 sacrificed at week 14 did not show these changes. The animals sacrificed at week 14 were euthanized under CO_2 anesthesia. Liver necrosis, ranging from focal to focally extensive, were noted in select animals from the male dose groups 4 (week 14) and 5 (week 8) and female dose group 5 (week 8). This change was not associated with concomitant significant inflammation, nor evidence of hepatocellular regeneration, suggestive of a lesion which occurred as a terminal event.

DISCUSSION

In the present study, cell proliferation was measured within the liver of male and female rats from control, low dose, mid dose, mid-high dose, and high dose test material after four, eight or 14 weeks on study to identify a NOEL for N-ethyl perfluorooctanesulfonamido ethanol based on a cell proliferation mode of action. A statistically significant increase in cell proliferation, as determined by the proliferating index (PI) was observed only in male rats from the high dose group after 4 weeks on study. This increase in PI was not observed after 8 weeks on study in the high dose male rats, nor in lower dose groups of male rats after 14 weeks on study. Cell proliferation was not statistically significant in female rats at 4, 8 or 14 weeks on study.

Although statistical analysis did not reveal a significant cell proliferative response to the test material, biological significance is evident in individual animals. Biological significance for an individual animal is defined as a doubling in PI over controls and greater than the highest control value. Thus, the data are presented in terms of severity (fold increase over controls) and incidence (number of animals showing biological significance). As seen in text table 1, biologically significant cell proliferation is evident in 2/5 male rats at the high dose and 1/5 male rats at the mid-high dose after 4 weeks on study, and in 2/4 male rats at the high dose after 8 weeks on study. Although 1 male rat exhibited a cell proliferative response at the mid-high dose after 4 weeks on study, this response was not sustained as evidenced by the lack of a response at week 14. Therefore, the NOEL in male rats is judged to be the mid-high dose. In contrast to male rats, biologically significant cell proliferation was not evident in female rats at any dose after 4 or 8 weeks on study, as seen in text table 2. Therefore, the NOEL in female rats is judged to be the high dose.

Text Table 1. Biologically Significant Cell Proliferation in Liver of Male Rats

Group	Week 4		Week 8 and 14[3]	
	Severity[1]	Incidence[2]	Severity[1]	Incidence[2]
Low dose	<1	0/5	<1	0/5
Mid dose	<1	0/5	<1	0/5
Mid-high dose	<1	1/5	<1	0/5
High dose	1.8	2/5	2.8	2/4

[1]Fold increase over controls
[2]Number of animals with a PI double the mean control value and greater than the highest control animal
[3]High dose animals sacrificed at week 8; all other dose groups sacrificed at week 14

Text Table 2. Biologically Significant Cell Proliferation in Liver of Female Rats

Group	Week 4		Week 8 and 14[3]	
	Severity[1]	Incidence[2]	Severity[1]	Incidence[2]
Low dose	1.4	0/5	<1	0/5
Mid dose	<1	0/5	<1	0/5
Mid-high dose	<1	0/5	<1	0/5
High dose	1.2	0/5	<1	0/5

[1]Fold increase over controls
[2]Number of animals with a PI double the mean control value and greater than the highest control animal
[3]High dose animals sacrificed at week 8; all other dose groups sacrificed at week 14

PCNA immunostaining has been reported to detect differential patterns of cell labeling in the liver of mitogen-treated rodents (Eldridge, et al., 1993). In the present study, the cell proliferative response observed in male rats was panlobular in that there was no distinct pattern of cell labeling. Furthermore, the increased proliferative response, as detected by PCNA immunostaining, was localized to hepatocytes. Interestingly, a rare pattern of PCNA-labeling was observed in high dose males and females, which was not seen in any other groups. The staining was characterized by a granular cytoplasmic staining pattern localized to the hepatocytes around central veins and below the serosal surface of the livers. Although histomorphologic evaluation revealed changes in these two areas within animals from all treatment groups, including controls, the PCNA-labeling pattern was observed only in animals from the high dose group. The significance of this type of labeling pattern is not know; however, it has been speculated that it may represent mitochondrial DNA synthesis (unpublished observation). Recently, it has been shown that PCNA can cross-react with peroxisomal multifunctional protein (Mayer, et al., 1998). Thus, it is likely that the centrilobular staining pattern observed in the high dose animals is associated with peroxisomes.

The centrilobular hepatocellular hypertrophy and vasodilation were consistent with alterations that occur with phenobarbital anesthesia and concomitant vasodilation and vascular pooling. The subserosal hepatocellular changes, which were cytologically identical to those seen in the centrilobular regions of the liver are suggestive of a response by hepatocytes to intraperitoneal administration of phenobarbital. Finally, the presence of hematopoietic cell proliferation and mononuclear cell infiltration into the portal regions of the liver are common findings in rodent livers and were considered to be incidental findings reflective of normal physiological events.

SUMMARY

The histopathologic changes seen after 4 weeks on study were observed in equal incidence and severity across dose groups, including controls. It is assumed that potential concomitant changes in cell proliferation are also equally represented among all groups. Therefore, cell proliferation effects at 4 weeks are judged to be related to test material, rather than due to phenobarbital anesthesia. Thus, based on the hepatocellular proliferation findings, the NOEL for N-ethyl perfluorooctanesulfonamido ethanol in liver of male and female rats is determined to be the mid-high dose and high dose, respectively.

LITERATURE CITED

Eldridge, S.R., Butterworth, B.E., Goldsworthy, T.L. (1993). Proliferating cell nuclear antigen: A marker for hepatocellular proliferation in rodents. *Environ Health Perspec* 101: 211-218.

Mayer, D., Forstner, K., Beier, K., and Volkl, A. (1998). Monoclonal antibodies against proliferating cell nuclear antigen cross-react with the peroxisomal multifunctional protein. *Anal Biochem* 256: 135-137.

II. TABLES

COVANCE STUDY NO. 6329-212
TABLE II-1. CELL PROLIFERATION IN MALE RATS

Group	Sex	Week of Study	Animal Number	Percent G1 Phase	Percent S Phase	Percent G2 Phase	Percent M Phase	Proliferating Index*
1-Control	M	4	C90719	0.11%	0.11%	0.02%	0.00%	0.24%
1-Control	M	4	C90725	0.23%	0.19%	0.00%	0.00%	0.42%
1-Control	M	4	C90732	0.15%	0.10%	0.02%	0.02%	0.29%
1-Control	M	4	C90753	0.11%	0.11%	0.05%	0.02%	0.30%
1-Control	M	4	C90775	0.16%	0.16%	0.05%	0.02%	0.38%
			Mean	**0.15%**	**0.13%**	**0.03%**	**0.01%**	**0.33%**
			SEM	**0.02%**	**0.02%**	**0.01%**	**0.01%**	**0.03%**
2-Low	M	4	C90789	0.22%	0.20%	0.05%	0.05%	0.51%
2-Low	M	4	C90814	0.08%	0.05%	0.03%	0.03%	0.18%
2-Low	M	4	C90817	0.08%	0.05%	0.05%	0.00%	0.18%
2-Low	M	4	C90833	0.18%	0.11%	0.02%	0.11%	0.43%
2-Low	M	4	C90834	0.02%	0.07%	0.04%	0.00%	0.13%
			Mean	**0.11%**	**0.09%**	**0.04%**	**0.04%**	**0.28%**
			SEM	**0.04%**	**0.03%**	**0.01%**	**0.02%**	**0.08%**
3-Mid	M	4	C90846	0.07%	0.11%	0.02%	0.02%	0.22%
3-Mid	M	4	C90853	0.05%	0.02%	0.00%	0.00%	0.07%
3-Mid	M	4	C90866	0.10%	0.05%	0.00%	0.00%	0.15%
3-Mid	M	4	C90890	0.07%	0.07%	0.00%	0.00%	0.13%
3-Mid	M	4	C90891	0.08%	0.00%	0.10%	0.00%	0.19%
			Mean	**0.07%**	**0.05%**	**0.03%**	**0.00%**	**0.15%**
			SEM	**0.01%**	**0.02%**	**0.02%**	**0.00%**	**0.03%**
4-Mid-High	M	4	C90935	0.04%	0.07%	0.04%	0.00%	0.15%
4-Mid-High	M	4	C90939	0.03%	0.03%	0.00%	0.03%	0.08%
4-Mid-High	M	4	C90942	0.05%	0.05%	0.05%	0.02%	0.16%
4-Mid-High	M	4	C90961	0.34%	0.23%	0.13%	0.00%	0.70%
4-Mid-High	M	4	C90966	0.05%	0.11%	0.00%	0.00%	0.16%
			Mean	**0.10%**	**0.10%**	**0.04%**	**0.01%**	**0.25%**
			SEM	**0.06%**	**0.04%**	**0.02%**	**0.01%**	**0.11%**
5-High	M	4	C90984	0.24%	0.19%	0.24%	0.02%	0.70%
5-High	M	4	C91005	0.09%	0.16%	0.28%	0.00%	0.53%
5-High	M	4	C91024	0.02%	0.17%	0.12%	0.02%	0.34%
5-High	M	4	C91033	0.26%	0.14%	0.14%	0.17%	0.71%
5-High	M	4	C91037	0.20%	0.12%	0.17%	0.12%	0.61%
			Mean	**0.16%**	**0.16%**	**0.19%**	**0.07%**	**0.58%**
			SEM	**0.05%**	**0.01%**	**0.03%**	**0.03%**	**0.07%**

*Proliferating index=percentage of hepatocytes in G1+S+G2+M phase

COVANCE STUDY NO. 6329-212
TABLE II-2. CELL PROLIFERATION IN FEMALE RATS

Group	Sex	Week of Study	Animal Number	Percent G1 Phase	Percent S Phase	Percent G2 Phase	Percent M Phase	Proliferating Index*
1-Control	F	4	C91135	0.00%	0.09%	0.00%	0.00%	0.09%
1-Control	F	4	C91143	0.37%	0.20%	0.10%	0.00%	0.67%
1-Control	F	4	C91165	0.02%	0.05%	0.00%	0.00%	0.07%
1-Control	F	4	C91169	0.09%	0.09%	0.12%	0.00%	0.30%
1-Control	F	4	C91171	0.05%	0.07%	0.02%	0.05%	0.19%
			Mean	**0.11%**	**0.10%**	**0.05%**	**0.01%**	**0.27%**
			SEM	**0.07%**	**0.03%**	**0.02%**	**0.01%**	**0.11%**
2-Low	F	4	C91198	0.18%	0.09%	0.09%	0.00%	0.36%
2-Low	F	4	C91205	0.23%	0.11%	0.07%	0.00%	0.41%
2-Low	F	4	C91222	0.05%	0.14%	0.05%	0.02%	0.26%
2-Low	F	4	C91230	0.35%	0.19%	0.14%	0.00%	0.67%
2-Low	F	4	C91237	0.02%	0.05%	0.02%	0.02%	0.12%
			Mean	**0.17%**	**0.12%**	**0.07%**	**0.01%**	**0.37%**
			SEM	**0.06%**	**0.02%**	**0.02%**	**0.01%**	**0.09%**
3-Mid	F	4	C91251	0.11%	0.09%	0.00%	0.02%	0.23%
3-Mid	F	4	C91272	0.00%	0.00%	0.00%	0.00%	0.00%
3-Mid	F	4	C91285	0.10%	0.05%	0.12%	0.02%	0.29%
3-Mid	F	4	C91287	0.00%	0.10%	0.00%	0.00%	0.10%
3-Mid	F	4	C91291	0.18%	0.11%	0.09%	0.02%	0.41%
			Mean	**0.08%**	**0.07%**	**0.04%**	**0.01%**	**0.21%**
			SEM	**0.04%**	**0.02%**	**0.03%**	**0.01%**	**0.07%**
4-Mid-High	F	4	C91316	0.11%	0.02%	0.07%	0.02%	0.22%
4-Mid-High	F	4	C91317	0.07%	0.02%	0.05%	0.00%	0.14%
4-Mid-High	F	4	C91333	0.03%	0.00%	0.05%	0.00%	0.08%
4-Mid-High	F	4	C91345	0.02%	0.05%	0.00%	0.00%	0.07%
4-Mid-High	F	4	C91350	0.02%	0.09%	0.02%	0.02%	0.16%
			Mean	**0.05%**	**0.04%**	**0.04%**	**0.01%**	**0.13%**
			SEM	**0.02%**	**0.02%**	**0.01%**	**0.01%**	**0.03%**
5-High	F	4	C91423	0.07%	0.09%	0.16%	0.02%	0.34%
5-High	F	4	C91427	0.14%	0.14%	0.09%	0.00%	0.37%
5-High	F	4	C91430	0.07%	0.05%	0.26%	0.05%	0.42%
5-High	F	4	C91443	0.05%	0.07%	0.15%	0.02%	0.30%
5-High	F	4	C91448	0.02%	0.07%	0.07%	0.00%	0.17%
			Mean	**0.07%**	**0.08%**	**0.15%**	**0.02%**	**0.32%**
			SEM	**0.02%**	**0.02%**	**0.03%**	**0.01%**	**0.04%**

*Proliferating index=percentage of hepatocytes in G1+S+G2+M phase

COVANCE STUDY NO. 6329-212
TABLE III-3. CELL PROLIFERATION IN MALE RATS

Group	Sex	Week of Study	Animal Number	Percent G1 Phase	Percent S Phase	Percent G2 Phase	Percent M Phase	Proliferating Index*
1-Control	M	8	C90717	0.03%	0.00%	0.03%	0.00%	0.05%
1-Control	M	8	C90718	0.00%	0.05%	0.00%	0.00%	0.05%
1-Control	M	8	C90737	0.03%	0.05%	0.00%	0.00%	0.08%
1-Control	M	8	C90756	0.00%	0.03%	0.00%	0.00%	0.03%
1-Control	M	8	C90769	0.00%	0.02%	0.00%	0.00%	0.02%
			Mean	**0.01%**	**0.03%**	**0.01%**	**0.00%**	**0.05%**
			SEM	**0.01%**	**0.01%**	**0.01%**	**0.00%**	**0.01%**
5-High	M	8	C90971	ND	ND	ND	ND	ND
5-High	M	8	C90972	0.03%	0.03%	0.03%	0.00%	0.08%
5-High	M	8	C90988	0.00%	0.03%	0.00%	0.00%	0.03%
5-High	M	8	C90996	0.22%	0.11%	0.00%	0.00%	0.33%
5-High	M	8	C91017	0.08%	0.06%	0.00%	0.00%	0.14%
			Mean	**0.08%**	**0.06%**	**0.01%**	**0.00%**	**0.14%**
			SEM	**0.05%**	**0.02%**	**0.01%**	**0.00%**	**0.07%**
1-Control	M	14	C90731	0.10%	0.08%	0.08%	0.03%	0.28%
1-Control	M	14	C90746	0.02%	0.02%	0.00%	0.02%	0.07%
1-Control	M	14	C90748	0.05%	0.05%	0.00%	0.02%	0.12%
1-Control	M	14	C90768	0.00%	0.00%	0.03%	0.00%	0.03%
1-Control	M	14	C90780	0.07%	0.07%	0.00%	0.02%	0.17%
			Mean	**0.05%**	**0.04%**	**0.02%**	**0.02%**	**0.13%**
			SEM	**0.02%**	**0.01%**	**0.01%**	**0.00%**	**0.04%**
2-Low	M	14	C90797	0.03%	0.03%	0.00%	0.00%	0.05%
2-Low	M	14	C90807	0.02%	0.00%	0.05%	0.00%	0.07%
2-Low	M	14	C90818	0.02%	0.07%	0.05%	0.00%	0.14%
2-Low	M	14	C90831	0.05%	0.00%	0.00%	0.00%	0.05%
2-Low	M	14	C90836	0.00%	0.00%	0.02%	0.00%	0.02%
			Mean	**0.02%**	**0.02%**	**0.02%**	**0.00%**	**0.07%**
			SEM	**0.01%**	**0.01%**	**0.01%**	**0.00%**	**0.02%**
3-Mid	M	14	C90843	0.03%	0.03%	0.00%	0.00%	0.05%
3-Mid	M	14	C90852	0.00%	0.00%	0.00%	0.00%	0.00%
3-Mid	M	14	C90863	0.02%	0.02%	0.02%	0.02%	0.10%
3-Mid	M	14	C90877	0.03%	0.00%	0.00%	0.00%	0.03%
3-Mid	M	14	C90880	0.05%	0.03%	0.03%	0.00%	0.11%
			Mean	**0.03%**	**0.02%**	**0.01%**	**0.00%**	**0.06%**
			SEM	**0.01%**	**0.01%**	**0.01%**	**0.00%**	**0.02%**
4-Mid-High	M	14	C90905	0.00%	0.03%	0.00%	0.00%	0.03%
4-Mid-High	M	14	C90907	0.05%	0.08%	0.00%	0.00%	0.14%
4-Mid-High	M	14	C90917	0.00%	0.03%	0.03%	0.00%	0.05%
4-Mid-High	M	14	C90921	0.03%	0.05%	0.03%	0.00%	0.11%
4-Mid-High	M	14	C90960	0.05%	0.08%	0.00%	0.00%	0.13%
			Mean	**0.03%**	**0.05%**	**0.01%**	**0.00%**	**0.09%**
			SEM	**0.01%**	**0.01%**	**0.01%**	**0.00%**	**0.02%**

*Proliferating index=percentage of hepatocytes in G1+S+G2+M phase
ND, not determined due to poor section

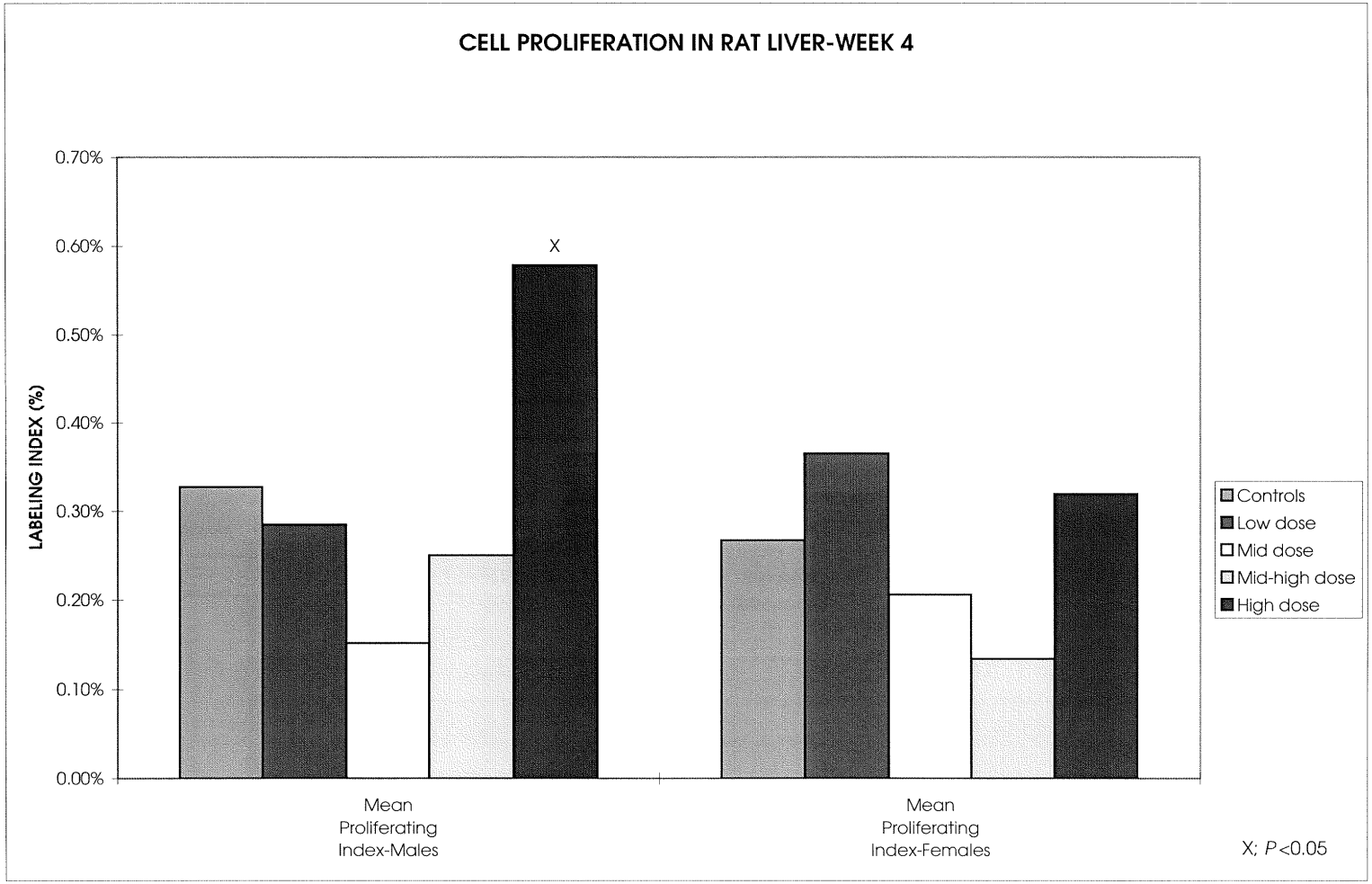
COVANCE STUDY NO. 6329-212
TABLE II-4. CELL PROLIFERATION IN FEMALE RATS

Group	Sex	Week of Study	Animal Number	Percent G1 Phase	Percent S Phase	Percent G2 Phase	Percent M Phase	Proliferating Index*
1-Control	F	8	C91126	0.00%	0.02%	0.00%	0.00%	0.02%
1-Control	F	8	C91140	0.02%	0.02%	0.00%	0.00%	0.05%
1-Control	F	8	C91145	0.00%	0.02%	0.00%	0.00%	0.02%
1-Control	F	8	C91162	0.05%	0.05%	0.05%	0.02%	0.17%
1-Control	F	8	C91163	0.05%	0.05%	0.02%	0.00%	0.11%
			Mean	**0.02%**	**0.03%**	**0.01%**	**0.00%**	**0.08%**
			SEM	**0.01%**	**0.01%**	**0.01%**	**0.00%**	**0.03%**
5-High	F	8	C91393	0.05%	0.05%	0.00%	0.00%	0.10%
5-High	F	8	C91394	0.00%	0.03%	0.00%	0.00%	0.03%
5-High	F	8	C91404	0.03%	0.03%	0.00%	0.00%	0.06%
5-High	F	8	C91415	0.00%	0.03%	0.00%	0.03%	0.05%
5-High	F	8	C91438	0.08%	0.00%	0.00%	0.00%	0.08%
			Mean	**0.03%**	**0.03%**	**0.00%**	**0.01%**	**0.06%**
			SEM	**0.01%**	**0.01%**	**0.00%**	**0.01%**	**0.01%**
1-Control	F	14	C91129	0.02%	0.00%	0.00%	0.00%	0.02%
1-Control	F	14	C91155	0.05%	0.03%	0.00%	0.03%	0.10%
1-Control	F	14	C91160	0.15%	0.13%	0.03%	0.10%	0.41%
1-Control	F	14	C91174	0.00%	0.02%	0.10%	0.00%	0.12%
1-Control	F	14	C91181	0.05%	0.00%	0.00%	0.00%	0.05%
			Mean	**0.06%**	**0.04%**	**0.03%**	**0.03%**	**0.14%**
			SEM	**0.03%**	**0.02%**	**0.02%**	**0.02%**	**0.07%**
2-Low	F	14	C91192	0.02%	0.02%	0.00%	0.00%	0.05%
2-Low	F	14	C91223	0.02%	0.00%	0.00%	0.00%	0.02%
2-Low	F	14	C91233	0.02%	0.00%	0.02%	0.00%	0.04%
2-Low	F	14	C91241	0.09%	0.05%	0.00%	0.00%	0.14%
2-Low	F	14	C91248	0.02%	0.02%	0.00%	0.00%	0.05%
			Mean	**0.04%**	**0.02%**	**0.10%**	**0.00%**	**0.06%**
			SEM	**0.01%**	**0.01%**	**0.00%**	**0.00%**	**0.02%**
3-Mid	F	14	C91281	0.00%	0.05%	0.00%	0.00%	0.05%
3-Mid	F	14	C91288	0.00%	0.05%	0.00%	0.00%	0.05%
3-Mid	F	14	C91293	0.02%	0.00%	0.00%	0.00%	0.02%
3-Mid	F	14	C91299	0.00%	0.00%	0.00%	0.00%	0.00%
3-Mid	F	14	C91304	0.00%	0.00%	0.02%	0.00%	0.02%
			Mean	**0.00%**	**0.02%**	**0.00%**	**0.00%**	**0.03%**
			SEM	**0.00%**	**0.01%**	**0.00%**	**0.00%**	**0.01%**
4-Mid-High	F	14	C91329	0.03%	0.00%	0.00%	0.00%	0.03%
4-Mid-High	F	14	C91337	0.00%	0.00%	0.00%	0.00%	0.00%
4-Mid-High	F	14	C91355	0.00%	0.02%	0.00%	0.00%	0.02%
4-Mid-High	F	14	C91370	0.00%	0.00%	0.00%	0.00%	0.00%
4-Mid-High	F	14	C91379	0.00%	0.02%	0.00%	0.00%	0.02%
			Mean	**0.01%**	**0.01%**	**0.00%**	**0.00%**	**0.01%**
			SEM	**0.00%**	**0.01%**	**0.00%**	**0.00%**	**0.01%**

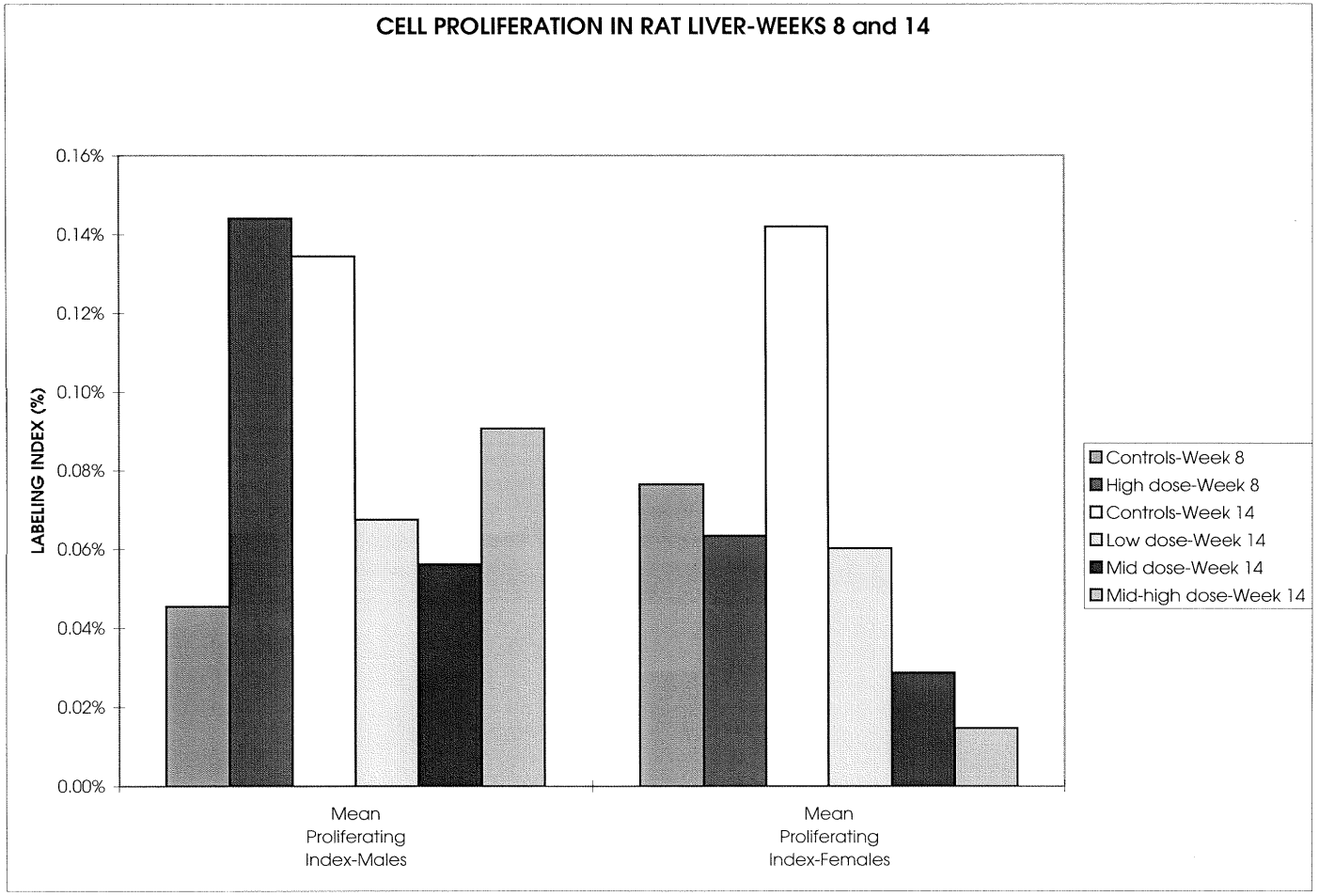
*Proliferating index=percentage of hepatocytes in G1+S+G2+M phase

III. FIGURES

COVANCE STUDY NO. 6329-212
FIGURE III-1



COVANCE STUDY NO. 6329-212
FIGURE III-2



IV. HISTOPATHOLOGY FINDINGS

Individual Animal Findings – Male Rats
Week 4 of Study

Animal Number	Dose Group	Sex	Histologic Findings
C90719	1	Male	Liver, centrilobular, hepatocellular hypertrophy, mild Liver, subserosa, hepatocellular hypertrophy, mild Liver, central vein, vasodilation Liver, portal, infiltration, mononuclear cell, mild Liver, hematopoietic cell proliferation, mild
C90725	1	Male	Liver, centrilobular, hepatocellular hypertrophy, mild Liver, subserosa, hepatocellular hypertrophy, mild Liver, central vein, vasodilation Liver, portal, infiltration, mononuclear cell, mild Liver, hematopoietic cell proliferation, mild
C90732	1	Male	Liver, centrilobular, hepatocellular hypertrophy, mild Liver, subserosa, hepatocellular hypertrophy, mild Liver, central vein, vasodilation Liver, portal, infiltration, mononuclear cell, mild Liver, hematopoietic cell proliferation, mild
C90753	1	Male	Liver, centrilobular, hepatocellular hypertrophy, mild Liver, subserosa, hepatocellular hypertrophy, mild Liver, central vein, vasodilation Liver, portal, infiltration, mononuclear cell, mild Liver, hematopoietic cell proliferation, mild
C90775	1	Male	Liver, centrilobular, hepatocellular hypertrophy, mild Liver, subserosa, hepatocellular hypertrophy, mild Liver, central vein, vasodilation Liver, portal, infiltration, mononuclear cell, mild Liver, hematopoietic cell proliferation, mild
C90789	2	Male	Liver, centrilobular, hepatocellular hypertrophy, mild Liver, subserosa, hepatocellular hypertrophy, mild Liver, central vein, vasodilation Liver, portal, infiltration, mononuclear cell, mild Liver, hematopoietic cell proliferation, mild

C90814	2	Male	Liver, centrilobular, hepatocellular hypertrophy, mild Liver, subserosa, hepatocellular hypertrophy, mild Liver, central vein, vasodilation Liver, portal, infiltration, mononuclear cell, mild Liver, hematopoietic cell proliferation, mild
C90817	2	Male	Liver, centrilobular, hepatocellular hypertrophy, mild Liver, subserosa, hepatocellular hypertrophy, mild Liver, central vein, vasodilation Liver, portal, infiltration, mononuclear cell, mild Liver, hematopoietic cell proliferation, mild
C90833	2	Male	Liver, centrilobular, hepatocellular hypertrophy, mild Liver, subserosa, hepatocellular hypertrophy, mild Liver, central vein, vasodilation Liver, portal, infiltration, mononuclear cell, mild Liver, hematopoietic cell proliferation, mild
C90834	2	Male	Liver, centrilobular, hepatocellular hypertrophy, mild Liver, subserosa, hepatocellular hypertrophy, mild Liver, central vein, vasodilation Liver, portal, infiltration, mononuclear cell, mild Liver, hematopoietic cell proliferation, mild
C90846	3	Male	Liver, centrilobular, hepatocellular hypertrophy, mild Liver, subserosa, hepatocellular hypertrophy, mild Liver, central vein, vasodilation Liver, portal, infiltration, mononuclear cell, mild Liver, hematopoietic cell proliferation, mild
C90853	3	Male	Liver, centrilobular, hepatocellular hypertrophy, mild Liver, subserosa, hepatocellular hypertrophy, mild Liver, central vein, vasodilation Liver, portal, infiltration, mononuclear cell, mild Liver, hematopoietic cell proliferation, mild
C90866	3	Male	Liver, centrilobular, hepatocellular hypertrophy, mild Liver, subserosa, hepatocellular hypertrophy, mild Liver, central vein, vasodilation Liver, portal, infiltration, mononuclear cell, mild Liver, hematopoietic cell proliferation, mild

C90890	3	Male	Liver, centrilobular, hepatocellular hypertrophy, mild Liver, subserosa, hepatocellular hypertrophy, mild Liver, central vein, vasodilation Liver, portal, infiltration, mononuclear cell, mild Liver, hematopoietic cell proliferation, mild
C90891	3	Male	Liver, centrilobular, hepatocellular hypertrophy, mild Liver, subserosa, hepatocellular hypertrophy, mild Liver, central vein, vasodilation Liver, portal, infiltration, mononuclear cell, mild Liver, hematopoietic cell proliferation, mild
C90935	4	Male	Liver, centrilobular, hepatocellular hypertrophy, mild Liver, subserosa, hepatocellular hypertrophy, mild Liver, central vein, vasodilation Liver, portal, infiltration, mononuclear cell, mild Liver, hematopoietic cell proliferation, mild
C90939	4	Male	Liver, centrilobular, hepatocellular hypertrophy, mild Liver, subserosa, hepatocellular hypertrophy, mild Liver, central vein, vasodilation Liver, portal, infiltration, mononuclear cell, mild Liver, hematopoietic cell proliferation, mild
C90942	4	Male	Liver, centrilobular, hepatocellular hypertrophy, mild Liver, subserosa, hepatocellular hypertrophy, mild Liver, central vein, vasodilation Liver, portal, infiltration, mononuclear cell, mild Liver, hematopoietic cell proliferation, mild
C90961	4	Male	Liver, centrilobular, hepatocellular hypertrophy, mild Liver, subserosa, hepatocellular hypertrophy, mild Liver, central vein, vasodilation Liver, portal, infiltration, mononuclear cell, mild Liver, hematopoietic cell proliferation, mild
C90966	4	Male	Liver, centrilobular, hepatocellular hypertrophy, mild Liver, subserosa, hepatocellular hypertrophy, mild Liver, central vein, vasodilation Liver, portal, infiltration, mononuclear cell, mild Liver, hematopoietic cell proliferation, mild

C90984	5	Male	Liver, necrosis, focal, mild Liver, centrilobular, hepatocellular hypertrophy, mild Liver, subserosa, hepatocellular hypertrophy, mild Liver, central vein, vasodilation Liver, portal, infiltration, mononuclear cell, mild Liver, hematopoietic cell proliferation, mild
C91005	5	Male	Liver, necrosis, focal, mild Liver, centrilobular, hepatocellular hypertrophy, mild Liver, subserosa, hepatocellular hypertrophy, mild Liver, central vein, vasodilation Liver, portal, infiltration, mononuclear cell, mild Liver, hematopoietic cell proliferation, mild
C91024	5	Male	Liver, centrilobular, hepatocellular hypertrophy, mild Liver, subserosa, hepatocellular hypertrophy, mild Liver, central vein, vasodilation Liver, portal, infiltration, mononuclear cell, mild Liver, hematopoietic cell proliferation, mild
C91033	5	Male	Liver, centrilobular, hepatocellular hypertrophy, mild Liver, subserosa, hepatocellular hypertrophy, mild Liver, central vein, vasodilation Liver, portal, infiltration, mononuclear cell, mild Liver, hematopoietic cell proliferation, mild
C91037	5	Male	Liver, centrilobular, hepatocellular hypertrophy, mild Liver, subserosa, hepatocellular hypertrophy, mild Liver, central vein, vasodilation Liver, portal, infiltration, mononuclear cell, mild Liver, hematopoietic cell proliferation, mild

Individual Animal Findings – Female
Week 4 of Study

Animal Number	Dose Group	Sex	Histologic Findings
C91135	1	Female	Liver, centrilobular, hepatocellular hypertrophy, mild Liver, subserosa, hepatocellular hypertrophy, mild Liver, central vein, vasodilation Liver, portal, infiltration, mononuclear cell, mild Liver, hematopoietic cell proliferation, mild
C91143	1	Female	Liver, centrilobular, hepatocellular hypertrophy, mild Liver, subserosa, hepatocellular hypertrophy, mild Liver, central vein, vasodilation Liver, portal, infiltration, mononuclear cell, mild Liver, hematopoietic cell proliferation, mild
C91165	1	Female	Liver, centrilobular, hepatocellular hypertrophy, mild Liver, subserosa, hepatocellular hypertrophy, mild Liver, central vein, vasodilation Liver, portal, infiltration, mononuclear cell, mild Liver, hematopoietic cell proliferation, mild
C91169	1	Female	Liver, centrilobular, hepatocellular hypertrophy, mild Liver, subserosa, hepatocellular hypertrophy, mild Liver, central vein, vasodilation Liver, portal, infiltration, mononuclear cell, mild Liver, hematopoietic cell proliferation, mild
C91171	1	Female	Liver, centrilobular, hepatocellular hypertrophy, mild Liver, subserosa, hepatocellular hypertrophy, mild Liver, central vein, vasodilation Liver, portal, infiltration, mononuclear cell, mild Liver, hematopoietic cell proliferation, mild
C91198	2	Female	Liver, centrilobular, hepatocellular hypertrophy, mild Liver, subserosa, hepatocellular hypertrophy, mild Liver, central vein, vasodilation Liver, portal, infiltration, mononuclear cell, mild Liver, hematopoietic cell proliferation, mild

C91205	2	Female	Liver, centrilobular, hepatocellular hypertrophy, mild Liver, subserosa, hepatocellular hypertrophy, mild Liver, central vein, vasodilation Liver, portal, infiltration, mononuclear cell, mild Liver, hematopoietic cell proliferation, mild
C91222	2	Female	Liver, centrilobular, hepatocellular hypertrophy, mild Liver, subserosa, hepatocellular hypertrophy, mild Liver, central vein, vasodilation Liver, portal, infiltration, mononuclear cell, mild Liver, hematopoietic cell proliferation, mild
C91230	2	Female	Liver, centrilobular, hepatocellular hypertrophy, mild Liver, subserosa, hepatocellular hypertrophy, mild Liver, central vein, vasodilation Liver, portal, infiltration, mononuclear cell, mild Liver, hematopoietic cell proliferation, mild
C91237	2	Female	Liver, centrilobular, hepatocellular hypertrophy, mild Liver, subserosa, hepatocellular hypertrophy, mild Liver, central vein, vasodilation Liver, portal, infiltration, mononuclear cell, mild Liver, hematopoietic cell proliferation, mild
C91251	3	Female	Liver, centrilobular, hepatocellular hypertrophy, mild Liver, subserosa, hepatocellular hypertrophy, mild Liver, central vein, vasodilation Liver, portal, infiltration, mononuclear cell, mild Liver, hematopoietic cell proliferation, mild
C91272	3	Female	Liver, centrilobular, hepatocellular hypertrophy, mild Liver, subserosa, hepatocellular hypertrophy, mild Liver, central vein, vasodilation Liver, portal, infiltration, mononuclear cell, mild Liver, hematopoietic cell proliferation, mild
C91285	3	Female	Liver, centrilobular, hepatocellular hypertrophy, mild Liver, subserosa, hepatocellular hypertrophy, mild Liver, central vein, vasodilation Liver, portal, infiltration, mononuclear cell, mild Liver, hematopoietic cell proliferation, mild

C91287	3	Female	Liver, centrilobular, hepatocellular hypertrophy, mild Liver, subserosa, hepatocellular hypertrophy, mild Liver, central vein, vasodilation Liver, portal, infiltration, mononuclear cell, mild Liver, hematopoietic cell proliferation, mild
C91291	3	Female	Liver, centrilobular, hepatocellular hypertrophy, mild Liver, subserosa, hepatocellular hypertrophy, mild Liver, central vein, vasodilation Liver, portal, infiltration, mononuclear cell, mild Liver, hematopoietic cell proliferation, mild
C91316	4	Female	Liver, centrilobular, hepatocellular hypertrophy, mild Liver, subserosa, hepatocellular hypertrophy, mild Liver, central vein, vasodilation Liver, portal, infiltration, mononuclear cell, mild Liver, hematopoietic cell proliferation, mild
C91317	4	Female	Liver, centrilobular, hepatocellular hypertrophy, mild Liver, subserosa, hepatocellular hypertrophy, mild Liver, central vein, vasodilation Liver, portal, infiltration, mononuclear cell, mild Liver, hematopoietic cell proliferation, mild
C91333	4	Female	Liver, centrilobular, hepatocellular hypertrophy, mild Liver, subserosa, hepatocellular hypertrophy, mild Liver, central vein, vasodilation Liver, portal, infiltration, mononuclear cell, mild Liver, hematopoietic cell proliferation, mild
C91345	4	Female	Liver, centrilobular, hepatocellular hypertrophy, mild Liver, subserosa, hepatocellular hypertrophy, mild Liver, central vein, vasodilation Liver, portal, infiltration, mononuclear cell, mild Liver, hematopoietic cell proliferation, mild
C91350	4	Female	Liver, centrilobular, hepatocellular hypertrophy, mild Liver, subserosa, hepatocellular hypertrophy, mild Liver, central vein, vasodilation Liver, portal, infiltration, mononuclear cell, mild Liver, hematopoietic cell proliferation, mild

C91423	5	Female	Liver, centrilobular, hepatocellular hypertrophy, mild Liver, subserosa, hepatocellular hypertrophy, mild Liver, central vein, vasodilation Liver, portal, infiltration, mononuclear cell, mild Liver, hematopoietic cell proliferation, mild
C91427	5	Female	Liver, centrilobular, hepatocellular hypertrophy, mild Liver, subserosa, hepatocellular hypertrophy, mild Liver, central vein, vasodilation Liver, portal, infiltration, mononuclear cell, mild Liver, hematopoietic cell proliferation, mild
C91430	5	Female	Liver, centrilobular, hepatocellular hypertrophy, mild Liver, subserosa, hepatocellular hypertrophy, mild Liver, central vein, vasodilation Liver, portal, infiltration, mononuclear cell, mild Liver, hematopoietic cell proliferation, mild
C91443	5	Female	Liver, centrilobular, hepatocellular hypertrophy, mild Liver, subserosa, hepatocellular hypertrophy, mild Liver, central vein, vasodilation Liver, portal, infiltration, mononuclear cell, mild Liver, hematopoietic cell proliferation, mild
C91448	5	Female	Liver, centrilobular, hepatocellular hypertrophy, mild Liver, subserosa, hepatocellular hypertrophy, mild Liver, central vein, vasodilation Liver, portal, infiltration, mononuclear cell, mild Liver, hematopoietic cell proliferation, mild

Individual Animal Findings - Male Rats
Weeks 8 and 14 of Study

Animal Number	Dose Group	Week	Sex	Histologic Findings
C90717	1	8	Male	Liver, centrilobular, hepatocellular hypertrophy, mild
C90718	1	8	Male	Liver, centrilobular, hepatocellular hypertrophy, mild
C90737	1	8	Male	Liver, centrilobular, hepatocellular hypertrophy, mild
C90756	1	8	Male	Liver, centrilobular, hepatocellular hypertrophy, mild
C90769	1	8	Male	Liver, centrilobular, hepatocellular hypertrophy, mild
C90731	1	14	Male	No significant findings
C90746	1	14	Male	No significant findings
C90748	1	14	Male	No significant findings
C90768	1	14	Male	No significant findings
C90780	1	14	Male	No significant findings
C90797	2	14	Male	No significant findings
C90807	2	14	Male	No significant findings
C90818	2	14	Male	No significant findings
C90831	2	14	Male	No significant findings
C90836	2	14	Male	No significant findings
C90843	3	14	Male	No significant findings
C90852	3	14	Male	No significant findings

C90863	3	14	Male	No significant findings
C90877	3	14	Male	No significant findings
C90880	3	14	Male	No significant findings
C90905	4	14	Male	Liver, necrosis, focal
C90907	4	14	Male	Liver, necrosis, multifocal
C90917	4	14	Male	No significant findings
C90921	4	14	Male	No significant findings
C90960	4	14	Male	No significant findings
C90971	5	8	Male	Liver, centrilobular, hepatocellular hypertrophy, minimal Liver, necrosis, multifocal
C90972	5	8	Male	Liver, centrilobular, hepatocellular hypertrophy, minimal Liver, necrosis, multifocal
C90988	5	8	Male	Liver, centrilobular, hepatocellular hypertrophy, minimal Liver, necrosis, multifocal
C90996	5	8	Male	Liver, centrilobular, hepatocellular hypertrophy, minimal Liver, necrosis, multifocal
C91017	5	8	Male	Liver, centrilobular, hepatocellular hypertrophy, minimal

Individual Animal Findings - Female Rats
Weeks 8 and 14 of Study

Animal Number	Dose Group	Week	Sex	Histologic Findings
C91126	1	8	Female	Liver, centrilobular, hepatocellular hypertrophy, minimal
C91140	1	8	Female	Liver, centrilobular, hepatocellular hypertrophy, minimal
C91145	1	8	Female	Liver, centrilobular, hepatocellular hypertrophy, mild
C91162	1	8	Female	Liver, centrilobular, hepatocellular hypertrophy, mild
C91163	1	8	Female	Liver, centrilobular, hepatocellular hypertrophy, mild
C91129	1	14	Female	No significant findings
C91155	1	14	Female	No significant findings
C91160	1	14	Female	No significant findings
C91174	1	14	Female	No significant findings
C91181	1	14	Female	No significant findings
C91192	2	14	Female	No significant findings
C91223	2	14	Female	No significant findings
C91233	2	14	Female	No significant findings
C91241	2	14	Female	No significant findings
C91248	2	14	Female	No significant findings
C91281	3	14	Female	No significant findings
C91288	3	14	Female	No significant findings

C91293	3	14	Female	No significant findings
C91299	3	14	Female	No significant findings
C91304	3	14	Female	No significant findings
C91329	4	14	Female	No significant findings
C91337	4	14	Female	No significant findings
C91355	4	14	Female	No significant findings
C91370	4	14	Female	No significant findings
C91379	4	14	Female	No significant findings
C91393	5	8	Female	Liver, necrosis, focal
C91394	5	8	Female	No significant findings
C91404	5	8	Female	No significant findings
C91415	5	8	Female	No significant findings
C91438	5	8	Female	Liver, necrosis, focally extensive

Incidence of Histologic Findings - Male Rats
Week 4 of Study

Histologic Findings	Group 1 Control Week 4	Group 2 Low Week 4	Group 3 Mid Week 4	Group 4 Mid-High Week 4	Group 5 High Week 4
Liver, centrilobular, hepatocellular hypertrophy	5	5	5	5	5
Liver, subserosa, hepatocellular hypertrophy	5	5	5	5	5
Liver, central vein, vasodilation	5	5	5	5	5
Liver, portal, infiltration, mononuclear cell	5	5	5	5	5
Liver, hematopoietic cell proliferation	5	5	5	5	5
Liver, necrosis, focal	0	0	0	0	2

Incidence of Histologic Findings - Female Rats
Week 4 of Study

Histologic Findings	Group 1 Control Week 4	Group 2 Low Week 4	Group 3 Mid Week 4	Group 4 Mid-High Week 4	Group 5 High Week 4
Liver, centrilobular, hepatocellular hypertrophy	5	5	5	5	5
Liver, subserosa, hepatocellular hypertrophy	5	5	5	5	5
Liver, central vein, vasodilation	5	5	5	5	5
Liver, portal, infiltration, mononuclear cell	5	5	5	5	5
Liver, hematopoietic cell proliferation	5	5	5	5	5

Incidence of Histologic Findings - Male Rats
Weeks 8 and 14 of Study

Histologic Findings	Group 1 Control Week 8	Group 1 Control Week 14	Group 2 Low Week 14	Group 3 Mid Week 14	Group 4 Mid-High Week 14	Group 5 High Week 8
Liver, centrilobular, hepatocellular hypertrophy	5	0	0	0	0	5
Liver, necrosis	0	0	0	0	2	4

Incidence of Histologic Findings - Female Rats
Weeks 8 and 14 of Study

Histologic Findings	Group 1 Control Week 8	Group 1 Control Week 14	Group 2 Low Week 14	Group 3 Mid Week 14	Group 4 Mid-High Week 14	Group 5 High Week 8
Liver, centrilobular, hepatocellular hypertrophy	5	0	0	0	0	0
Liver, necrosis	0	0	0	0	0	2

V. SIGNATURE PAGE

Submitted by:

Project Manager:

Sandra Eldridge 10-30-01

Sandra R. Eldridge, Ph.D. Date

Project Pathologist:

Mark T Butt 10 30 01

*Mark T. Butt, D.V.M., Diplomate, A.C.V.P. Date
General Manager, Director of Pathology
Pathology Associates - A Charles River Company

*Carolyn Moyer, D.V.M., Diplomate, A.C.V.P. was the project pathologist, but was on medical leave and unavailable for signature. Therefore, the portion evaluated and reported by Dr. Moyer has been signed by Dr. Mark Butt, General Manager and Director of Pathology at PAI.

IV. QUALITY ASSURANCE STATEMENT

PATHOLOGY ASSOCIATES
A CHARLES RIVER COMPANY

Cell Proliferation Report

104-Week Dietary Carcinogenicity Study with Narrow Range (98.1%) N-Ethyl Perfluorooctanesulfonamido Ethanol in Rats

Covance Study Number 6329-212

QUALITY ASSURANCE STATEMENT

This cell proliferation project has been inspected and audited by the PAI Quality Assurance Unit (QAU) as required by the Good Laboratory Practice (GLP) regulations promulgated by the U.S. Food and Drug Administration (FDA). The cell proliferation report is an accurate reflection of the recorded data. The following table is a record of the inspections/audits performed and reported by the QAU.

Date of Inspection	Phase Inspected	Date Findings Reported to Project Manger/ PAI Management	Date Findings Reported to Study Director/Study Director Management
03/16/98	Labeling (Slide/Block Match)	03/17/98	10/30/01
06/26,29,30/98	Study Data Supporting Documentation	06/30/98	10/30/01
06/26,29,30/98	Final Cell Proliferation Report	06/30/98	10/30/01
10/30/01	Amended Final Cell Proliferation Report	10/30/01	10/30/01

Sharon E. Abel
Quality Assurance Officer

October 30, 2001
Date

15 Worman's Mill Court, Suite I, Frederick, MD 21701 • 301.663.1644 • FAX: 301.663.8994 • www.paicriver.com

APPENDIX 8

Electron Microscopy Report

Note: This appendix contains information supplied by the Pathology Associates International and has been reviewed by the Quality Assurance Unit of Pathology Associates International.

PATHOLOGY REPORT

TRANSMISSION ELECTRON MICROSCOPY EVALUATION OF LIVER TISSUE IN RATS

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

COVANCE STUDY NUMBER 6329-212
PAI STUDY NUMBER EM 01.38

Prepared by:

Connie A. Cummings, D.V.M., PhD.

And

James B. Nold, D.V.M., Ph.D., Diplomate, A.C.V.P.

Pathology Associates
A Charles River Company
4915-D Prospectus Drive
Durham, NC 27713

October 10, 2001

PREPARED FOR COVANCE LABORATORIES INC.,
3301 KINSMAN BOULEVARD
MADISON, WISCONSIN 53704

THIS PAGE REVISED.
COVANCE STUDY NO.:6329-212
SIGNATURE: C A Cummings DATE: 11-15-01

PATHOLOGY ASSOCIATES
A CHARLES RIVER COMPANY

Final Report Amendment

Covance Study Number:	6329-212
PAI Study Number:	EM 01.38
Study Title:	Transmission Electron Microscopy Evaluation of Liver Tissue in Rats. 104-Week Dietary Carcinogenicity Study with Narrow Range (98.1%) N-Ethyl Perfluorooctanesulfonamido Ethanol in Rats.
Date of Final Report:	October 10, 2001
Amendment:	Change Covance Study number from 6239-212 to the correct Study number of 6329-212 on the cover page and all the "Transmission Electron Micrograph Interpretation" forms found in Section III.
Reason for amendment:	Typographical error

Approvals:

Connie A. Cummings, D.V.M., PhD. Date 11-15-01

James B. Nold, D.V.M., PhD.
Diplomate, A.C.V.P. Date 11-15-01

Quality Assurance Officer Date 11/15/01

4915 D Prospectus Drive, Durham, NC 27713 • 919.544.5257 • FAX: 919.544.3218 • www.paicriver.com

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SECTION I

PATHOLOGY NARRATIVE

Summary

Ten Crl:CD® (SD) IGS BR rats (five males and five females) were treated for 104 weeks with 100ppm of 98.1% n-ethyl perfluorooctanesulfonamido (NEtFOSE). Ten other rats of similar strain (five males and five females) were used as controls. Liver samples were obtained from each of the 20 rats during necropsy at terminal sacrifice for examination by transmission electron microscopy (TEM). Liver samples were assessed for changes that may likely occur due to chronic toxicity of the test material. Electron microscopic evaluation identified mild to moderate changes related to treatment. Mild to moderate smooth endoplasmic reticulum hyperplasia and minimal to mild hepatocellular hypertrophy were the prominent features found to be different between the mid-high dose group and control animals. Other changes included a slight increase in the amount of lipid accumulation and minor increases in lipofuscin were found in the treated animals compared with controls.

Procedure

The objective of this study was to examine ultrastructurally a sample of liver from 10 rats treated orally for 104-weeks with 100ppm of NEtFOSE. Hepatocytes were evaluated by TEM for changes that may be related to the test material. This study is part of a larger chronic toxicity study of NEtFOSE. This portion of the study included 10 treated rats (5 males and 5 females) and 10 control rats (5 males and 5 females). Treated rats were orally dosed daily for at least 104 weeks with 100ppm of NEtFOSE. The control rats were given the basal diet only. Terminal necropsies were performed on all 20 rats. Multiple tissues including liver were collected and preserved in 10% neutral-buffered formalin according to the study protocol. Additionally, samples of liver from each animal were thin-sliced, placed in 2% paraformaldehyde/2.5% glutaraldehyde in 0.1M phosphate buffer then subsequently processed and embedded in epoxy blocks for examination by TEM. Thin sections (approximately 90nm) from the epoxy blocks were cut, mounted on 200-mesh copper grids, stained with 5% methanolic uranyl acetate, and Reynold's lead citrate, then examined on a Zeiss EM10C transmission electron microscope. Both centrilobular and periportal hepatocytes were examined. Representative ultrastructural photomicrographs from each liver sample were taken and significant features were described and recorded for each micrograph, animal, and each group. The descriptive features of each rat were recorded on a transmission electron micrograph interpretation form. The number of peroxisomes per hepatocyte was manually counted then averaged for each animal. The average number of peroxisomes per group was tabulated.

Results

Micrograph interpretations for each rat can be found in section II. Representative micrographs of specific features are shown in section III as report figures. All remaining electron micrographs are separately attached to this report grouped according to rat number.

TEM evaluation

A total of 108 micrographs were evaluated. Fifty-four (54) micrographs represented the control group while fifty-four (54) micrographs represented the mid high-dose treated group. Ultrastructural findings for each group are summarized in Table 1. There was a minimal to mild increase in the size of hepatocytes in the treated group. Similarly, a mild to moderate increase in smooth endoplasmic reticulum (SER) and a slightly mild increase in lipid accumulation was also noted. The increase in the size of most hepatocytes was generally due to the increase in SER and possibly the lipid as well. SER is invariably affected during some types of hepatic toxicity, mostly toxicities that induce hepatic microsomal enzymes and lipid peroxidation (Cheville, 1994). Similarly, the increase in SER is regarded as an adaptive response by animals as a means to handle drug toxicities (Ghadially, 1997). Based on personal communication with the study pathologist, liver weights were increased and hepatocellular hypertrophy was diagnosed by light microscopy, which is consistent with ultrastructural findings of an increase in SER (Ghadially,

1997). One other minor feature that was prominent in a few treated rats was the accumulation of lysosomes that presumably contained lipofuscin pigment.
All control animals were considered normal. Although a small number of control rats had a mild increase in SER and a slight increase in the amount of lipid accumulation, the increases in SER and lipid accumulation in the treated animals was much more evident than in the control animals.

Table 2 summarizes the quantitation of peroxisomes for each group. Often, an increase in the number of peroxisomes indicates an alteration in liver cell physiology. However, in this study, there was no difference in the average number of peroxisomes between treated and untreated animals.

Table 1 Ultrastructural findings per animal

Animal no	Group[1]/Sex[2]	Comments
C90716	1/M	Normal hepatocytes.
C90722	1/M	Increased SER in 4/5[3] hepatocytes.
C90724	1/M	Normal hepatocytes.
C90726	1/M	Mild lipid accumulation.
C90728	1/M	Normal hepatocytes.
C90904	4/M	SER is increased. Hepatocellular hypertrophy in 4/6 hepatocytes. Moderate lipid accumulation.
C90908	4/M	Increased SER and lipid accumulation also.
C90926	4/M	Suboptimal fixation. Increased lysosomes most likely lipofuscin pigment.
C90927	4/M	SER is increased. One hepatocyte is hypertrophic.
C90928	4/M	SER is increased. Four out of six hepatocytes are hypertrophic.
C91127	1/F	Normal hepatocytes. Mild lipid accumulation.
C91131	1/F	Normal hepatocytes. Mild lipid accumulation.
C91144	1/F	Normal hepatocytes.
C91148	1/F	Normal hepatocytes.
C91159	1/F	Normal hepatocytes.
C91324	4/F	SER is increased. Both lipid and lysosomal accumulation appear slightly increased as well.
C91332	4/F	Mild increase in SER. A few lysosomes observed as well.
C91335	4/F	SER is increased. Three hepatocytes are slightly larger than normal.
C91336	4/F	SER is increased. One hepatocyte is slightly hypertrophic.
C91341	4/F	SER is increased.

[1]1=Control, 4=Mid-High dose group; [2]M=male, F=female; [3]ratio of abnormal hepatocytes per total number of hepatocytes described.

Table 2 Quantitation of Peroxisomes per rat[1]

Control Group				Treated Group			
Animal #	Male	Animal #	Female	Animal #	Male	Animal #	Female
C90716	11.3	C91127	10.8	C90904	7.3	C91324	8.5
C90722	20.0	C91131	10.8	C90908	9.7	C91332	8.7
C90724	22.5	C91144	12.8	C90926	6.3	C91335	12.4
C90726	15.0	C91148	11.5	C90927	12.0	C91336	10.4
C90728	15.0	C91159	11.0	C90928	11.0	C91341	9.8
Mean = 16.8		**Mean = 11.4**		**Mean = 9.3**		**Mean = 10.0**	

[1]The average number of hepatocytes counted per rat was 5.

Conclusion

An ultrastructural examination was done on liver samples from rats treated orally with 100ppm of NEtFOSE for a total of at least 104 weeks. Treatment related ultrastructural changes included a minimal to mild hepatocellular hypertrophy and a mild to moderate increase in SER. The amount of lipid accumulation was minimally increased in the treated animals.

Signature of Authors

Connie A. Cummings, D.V.M., PhD. Date 10/10/01

James B. Nold, D.V.M., PhD. Date 10/10/01
Diplomate, A.C.V.P.

References

Cheville NF: Ultrastructural Pathology An Introduction to Interpretation. 1st ed. p. 704. Ames: Iowa State University Press, 1994.

Ghadially FN: Ultrastructural pathology of the cell and matrix. 3rd ed. v. 1. p. 484. London: Butterworths, 1997

SECTION II

TRANSMISSION ELECTRON MICROGRAPH INTERPRETATIONS

TRANSMISSION ELECTRON MICROGRAPH INTERPRETATION

Study No.: 6329-212 EM 01.38

Species/Strain: Crl:CD® (SD) IGS BR

Animal No.: C90716

Tissue: Liver - Periportal

Treatment Group: 1 (Control)

Block No(s).: C90716-1A

Sex: Male

Photo/Negative No(s).: L6299-L6304

Significant Lesions (check one): _____ Yes __X__ No

Interpreting Pathologist (signature and date): [signature] March 28, 2001

Features: **L6299.** Liver. Hepatocyte. 7,530X. To the left side of the micrograph center, there is an oval shaped hepatocyte. The hepatocyte is somewhat smaller than normal. The nucleus is distinctly round and eccentrically positioned in the cell. The cytoplasm contains a number of small round mitochondria, patches of RER and SER. Eleven (11) peroxisomes are counted. A large sinusoid is found on the right side of the micrograph. Within this sinusoid are erythrocytes and some cellular debris. Some collagen fibrils are found in the upper right portion of this sinusoid. Other hepatocytes on this micrograph have similar characteristics as the described hepatocytes; however, a few have some small lipid droplets.
L6300. Liver. Hepatocyte. 7,530X. In this micrograph, a number of partial hepatocytes are observed. One whole hepatocyte is found in the center of the micrograph. This cell has an eccentrically located round nucleus. The cytosol contains mitochondria, SER, and less RER. Seven (7) peroxisomes are counted. Below this hepatocyte, there is a perisinusoidal fat storing cell (Ito cell). Randomly scattered are erythrocytes and a prominent endothelial cell in the upper left hand corner of the micrograph.
L6301. Liver. Hepatocyte. 10,200X. A dark staining, oval hepatocyte is observed in the center of the micrograph. There is a knife mark (artifact) running half way across the cell. The nucleus of this cell is somewhat oval with coarse clumped chromatin. The cytosol contains SER, RER, and mitochondria. Ten (10) peroxisomes are counted.
L6302. Liver. Hepatocyte. 7,920X. Portions of two oval hepatocytes running obliquely across the micrograph are observed. The hepatocyte located in the center of the micrograph is characterized by a smaller round nucleus. The cytoplasm of this cell is composed of areas of SER separating mitochondria and some small cisternae of RER. Thirteen (13) peroxisomes are counted. The hepatocyte above this cell has similar characteristics but with a large nucleus.
L6303. Liver. Hepatocyte. 7,920X. A polygonal-shaped hepatocyte is found in the center of five other hepatocytes. This cell has a large distinctly rounded, eccentrically located nucleus. The cytoplasm is filled with abundant RER, mitochondria, and some SER. Two small lipid droplets are observed also. Eleven (11) peroxisomes are counted. Of the hepatocytes surrounding this cell, two contain medium round lipid droplets.
L6304. Liver. Hepatocyte. 7,530X. In the center of the micrograph is an oblong-shaped hepatocyte. This cell has a small round nucleus. The cytoplasm contains numerous mitochondria, RER, and SER. A few small to medium sized lipid droplets and randomly scattered lysosomes are also observed. Sixteen (16) peroxisomes are counted. A knife mark is found running across the micrograph (artifact).

Conclusions: Normal hepatocytes. Peroxisome average is 11.3 per hepatocyte.

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TRANSMISSION ELECTRON MICROGRAPH INTERPRETATION

Study No.: 6329-212 EM 01.38

Species/Strain: Crl:CD® (SD) IGS BR

Animal No.: C90722

Tissue: Liver -Centrilobular

Treatment Group: 1 (Control)

Block No(s).: C90722 1A

Sex: Male

Photo/Negative No(s).:L6208-L6212

Significant Lesions (check one): X Yes _____ No

Interpreting Pathologist (signature and date): [signature] March 26, 2001

Features: **L6208**. Liver. Hepatocyte. 10,200X. A somewhat cuboidal hepatocyte is found in the center of the micrograph. The hepatocyte has a distinctly rounded nucleus with a single nucleolus. The cytoplasm contains numerous mitochondria, RER, and SER. Twenty-five (25) peroxisomes are counted. Along the bottom right hand corner, there is a small amount of chatter artifact).
L6209. Liver. Hepatocyte. 10,200X. An oval hepatocyte is found in the center of the micrograph. The nucleus is round with a marginating nucleolus. The chromatin is finely granular. Within the cytosol, there are a number of mitochondria, RER, SER, and a few randomly scattered lipid droplets, some with myelin figures. Sixteen (16) peroxisomes are counted.
L6210. Liver. Hepatocyte. 10,200X. A large somewhat oval hepatocyte is found vertically centered on the micrograph. The hepatocyte has a small nucleus (plane of section) with dense coarse chromatin. The cytosol is filled with SER, patches of RER, and numerous mitochondria. Twenty-two (22) peroxisomes are counted. Along the bottom left hand corner of the micrograph, there is a cluster of large lipid droplets. In the upper right hand corner, there is a large sinusoid.
L6211. Liver. Hepatocyte. 10,200X. Approximately 90% of a hepatocyte is observed along the bottom right hand portion of the micrograph. There is a large area of chatter over the cytoplasm of this cell that makes interpretation somewhat difficult. The hepatocyte has a centrally located round nucleus. The cytosol of this cell is filled with numerous mitochondria, RER, and patches of SER. A few lipid droplets are also observed. Fifteen (15) peroxisomes are counted. Along the lower left hand edge, there is a large sinusoid containing a number of erythrocytes.
L6212. Liver. Hepatocyte. 7,920X. A somewhat oval hepatocyte is found in the center of the micrograph. The nucleus is distinctly round with a small nucleolus. The cytosol is filled with numerous slightly swollen mitochondria and a few randomly scattered lipid droplets. The RER is abundant and often slightly dilated. Twenty-two (22) peroxisomes are counted. The plasma membrane of the cell has numerous villous projections. Sinusoids on the upper left-hand side as well as the bottom of the micrograph contain a number of small erythrocytes. The bottom sinusoid also contains a leukocyte.

Conclusions: SER is increased in 4/5 hepatocytes. Peroxisome average is 20.0 per hepatocyte.

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TRANSMISSION ELECTRON MICROGRAPH INTERPRETATION

Study No.: 6329-212 EM 01.38

Species/Strain: Crl:CD® (SD) IGS BR

Animal No.: C90724

Tissue: Liver- Periportal

Treatment Group: 1 (Control)

Block No(s).: C90724 1A

Sex: Male

Photo/Negative No(s).:L6213-L6217

Significant Lesions (check one): _____ Yes X No

Interpreting Pathologist (signature and date): [signature] March 26, 2001

Features: **L6213**. Liver. Hepatocyte. 7,530X. An oval hepatocyte is found horizontally in the center of the micrograph. A somewhat eccentrically located nucleus is compressed on one side due to a large lipid droplet. The nucleus contains a small nucleolus. The cytosol of this cell contains numerous small round mitochondria; some contain crystalline inclusions. Randomly scattered are patches of RER. Twenty (20) peroxisomes are counted. Above and below this cell, there are dilated sinusoids containing erythrocytes. Similar hepatocytes adjacent to this cell contain similar organelles.
L6214. Liver. Hepatocyte. 7,530X. A polygonal-shaped, centrally located hepatocyte contains two nuclei. One nucleus has a centrally located nucleolus. The cytosol of this cell contains numerous mitochondria and RER. A few randomly scattered glycogen particles are also observed. Twenty-seven (27) peroxisomes are counted.
L6215. Liver. Hepatocyte. 7,530X. In the center of the micrograph, there is a whole somewhat oval hepatocyte. This cell has a large round nucleus with a central nucleolus. The cytoplasm of the cell is filled with numerous mitochondria, and RER. Twenty-nine (29) peroxisomes are counted. The plasma membrane often contains a few small villous projections. Within a sinusoid running vertically along the left side of the micrograph, there is a cluster of erythrocytes and a plasma cell. A faint knife mark (artifact) is found along the right hand side of the hepatocyte.
L6216. Liver. Hepatocyte. 7,920X. A pyramidal-shaped hepatocyte is found in the center of the micrograph. The nucleus is large and rounded with a single nucleolus. The cytosol contains a number of mitochondria, RER and a few randomly scattered lysosomes. A small fragment of electron dense material (artifact) is found on the left side of the cell. Fourteen (14) peroxisomes are counted. The cell membrane is somewhat smooth with a few randomly scattered villous projections. Below this cell, there is a hepatocyte that contains a large cluster of lipid droplets. Above the hepatocyte, a wide sinusoid is found containing erythrocytes.

Conclusions: Normal hepatocytes. Peroxisome average is 22.5 per hepatocyte.

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TRANSMISSION ELECTRON MICROGRAPH INTERPRETATION

Study No.: 6329-212 EM 01.38

Species/Strain: Crl:CD® (SD) IGS BR

Animal No.: C90726

Tissue: Liver-Periportal

Treatment Group: 1 (Control)

Block No(s).: C90726 1A

Sex: Male

Photo/Negative No(s).:L6218-L6223

Significant Lesions (check one): _____ Yes X No

Interpreting Pathologist (signature and date): March 28, 2001

Features: **L6217**. Liver. Hepatocyte. 7,920X. In the center of the micrograph is a cuboidal-shaped hepatocyte. This cell has a nucleus with an irregular nuclear membrane. Within the cytoplasm, there are a number of lipid droplets, numerous mitochondria, and abundant RER. Thirteen (13) peroxisomes are counted. Adjacent hepatocytes also have a large number of lipid droplets.
L6218. Liver. Hepatocyte. 7,530X. This is a duplicate of the hepatocyte in micrograph **L6217.**
L6219. Liver. Hepatocyte. 7,530X. A pyramidal-shaped hepatocyte is located in the middle of the micrograph. The nucleus is distinctly rounded. The cytoplasm of this cell contains numerous mitochondria, RER, and lipid droplets. Seventeen (17) peroxisomes are counted. The cell membrane of an adjacent hepatocyte has a number of villous projections; these villi extend into the large sinusoid at the bottom left hand corner of the micrograph. This sinusoid contains erythrocytes and a single leukocyte.
L6220. Liver. Hepatocyte. 7,920X. A large cuboidal hepatocyte is found in the upper half of the micrograph. The cell contains a large nucleus with an irregular nuclear membrane. A small nucleolus is observed in the nucleus. The cytosol of this cell is filled with RER, mitochondria, some glycogen particles, and a small cluster of lipid droplets. A small sinusoid in the lower right hand corner of the micrograph contains a small leukocyte, as does the one in the upper right hand corner. Thirteen (13) peroxisomes are counted.
L6221. Liver. Hepatocyte. 7,920X. A somewhat rounded hepatocyte is found in the middle of the micrograph. The cell has a centrally located distinctly rounded nucleus. The cytoplasm is filled with a number of large lipid droplets, abundant mitochondria, and RER. Twenty (20) peroxisomes are counted. Bordering this hepatocyte are other hepatocytes with similar characteristics. In the lower left hand corner of the micrograph, there is a portion of a leukocyte within a sinusoid.
L6222. Liver. Hepatocyte. 7,530X. This is a duplicate of the hepatocyte in **L6220.**
L6223. Liver. Hepatocyte. 7,530X. A round hepatocyte is observed in the center of the micrograph. The cell has two nuclear profiles, one is irregular-shaped due to a number of variable-sized lipid droplets compressing the nuclear membrane; the other nucleus is smaller and somewhat rounded. The cytoplasm contains a number of small mitochondria and RER. A few lysosomes are also observed. Twelve (12) peroxisomes are counted. Along the lower right corner of the micrograph in a sinusoid, there is a somewhat oval cell filled with large lipid droplets (Ito cell).

Conclusions: Mild lipid accumulation. Peroxisome average is 15.0 per hepatocyte.

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SIGNATURE: _____ DATE: 11-15-01

TRANSMISSION ELECTRON MICROGRAPH INTERPRETATION

Study No.: 6329-212 EM 01.38

Species/Strain: Crl:CD® (SD) IGS BR

Animal No.: C90728

Tissue: Liver -Centrilobular

Treatment Group: 1 (Control)

Block No(s).: C90728 1A

Sex: Male

Photo/Negative No(s).:L6224-L6228

Significant Lesions (check one): _____ Yes X No

Interpreting Pathologist (signature and date): [signature] March 27, 2001

Features: **L6224**. Liver. Hepatocyte. 4,990X. This micrograph contains hepatocytes surrounded by two sinusoids; one containing an Ito cell (upper right) and a lymphocyte (lower left). Between these sinusoids, there are two hepatocytes side by side. The hepatocyte on the right contains a rounded nucleus with one nucleolus. The cytoplasm of this cell is filled with mitochondria, RER, and some SER. Four lipid droplets are also observed. Eleven (11) peroxisomes are counted.
L6225. Liver. Hepatocyte. 10,200X. Approximately 90% of an oval hepatocyte is observed in the middle of the micrograph. The cell is characterized by a distinctly round nucleus having a centrally located nucleolus. Within the cytosol, there are a number of mitochondria, RER, and SER. Thirteen (13) peroxisomes are counted. The cell membrane contains numerous villous projections.
L6226. Liver. Hepatocyte. 7,920X. A round hepatocyte is located in the center of the micrograph. This cell contains a large round nucleus with a central nucleolus. The cytoplasm of this hepatocyte contains a large number of mitochondria, some RER, and a few lysosomes and lipid droplets. Eighteen (18) peroxisomes are counted. An Ito cell, is found at the bottom of the micrograph and is characterized by cytoplasm filled with large lipid droplets.
L6227. Liver. Hepatocyte. 10,200X. A somewhat round hepatocyte is found in the center of the micrograph. The cell has an eccentrically located nucleus with finely granular chromatin. Within the cytosol, there are a few patches of RER, a moderate number of mitochondria, and abundant SER. A few small lysosomes and two somewhat small lipid droplets are also observed. Sixteen (16) peroxisomes are counted. Two bile canaliculi are observed between this hepatocyte and the adjacent hepatocytes on the left of the micrograph. In the upper right hand corner of the micrograph, a sinusoid is observed containing two partial erythrocytes.
L6228. Liver. Hepatocyte. 7,920X. A cuboidal shaped hepatocyte is found in the center of the micrograph. The cell has a centrally located nucleus. The cytosol contains numerous small mitochondria, RER, SER, and a cluster of small lysosomes. Small to moderate sized lipid droplets are also observed. Seventeen (17) peroxisomes are observed.

Conclusions: Normal hepatocytes. Peroxisome average is 15.0 per hepatocyte.

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COVANCE STUDY NO.:6329-212

SIGNATURE: [signature] DATE: 11-15-01

TRANSMISSION ELECTRON MICROGRAPH INTERPRETATION

Study No.: 6329-212 EM 01.38 Species/Strain: Crl:CD® (SD) IGS BR

Animal No.: C90904 Tissue: Liver - Centrilobular

Treatment Group: 4 (Mid-high 100ppm NEtFOSE) Block No(s).: C90904 1A

Sex: Male Photo/Negative No(s).: L6229-L6233

Significant Lesions (check one): X Yes ____ No

Interpreting Pathologist (signature and date): [signature] March 28, 2001

Features: **L6229.** Liver. Hepatocyte. 7,530X. Approximately 90% of a large round hepatocyte is observed in the center of the micrograph. The nucleus is round with finely granular chromatin. The cytoplasm is filled with SER and minimal numbers of mitochondria, and even less RER. In addition to the SER, there are a number of variable to medium sized lipid droplets. Seven (7) peroxisomes are counted.
L6230. Liver. Hepatocyte. 4,990X. A large (compared to other hepatocytes at this magnification) polygonal-shaped hepatocyte is found in the center of the micrograph. The nucleus is small and round. The cytoplasm is extremely dark and filled with a large number of small to medium sized lipid droplets. In addition to the lipid, there is an abundant amount of SER and mitochondria. Peroxisomes not counted due to the dark staining of the cell. The adjoining hepatocytes also are dark staining with abundant SER and large number of lipid droplets.
L6231. Liver. Hepatocyte. 4,990X. Similar to the hepatocyte in **L6230,** this cell is larger than normal (compared with comparable control hepatocytes of similar magnification). The cell contains two nuclei (plane of section, assumed only one), one nucleus is large with a prominent nucleolus and a smaller nucleus with no nucleolus. The cytoplasm is distended with abundant SER, and numerous small to large lipid droplets. RER and mitochondria are also observed. Six (6) peroxisomes are counted. Bordering hepatocytes are also filled with numerous lipid droplets.
L6232. Liver. Hepatocyte. 4,990X. Another large oblong hepatocyte (compared to similar control hepatocytes). This cell has two nuclei, one smaller than the other. The cytoplasm is filled with abundant SER, RER, and numerous small lipid droplets. One large electron dense lipid droplet is observed. Mitochondria and a few small stacks of RER are observed as well. Nine (9) peroxisomes are counted. In the lower right hand corner of the micrograph, there is another hepatocyte that also contains a large number of lipid droplets.
L6233. Liver. Hepatocyte. 4,990X. The cytoplasm of a hepatocyte is found in the center of the micrograph. The cytoplasm is extremely dilated due to a large number of small, medium, and a few large lipid droplets. Peroxisomes not counted.

Conclusions: Hepatocellular hypertrophy in 4/6 hepatocytes. SER is increased as well as moderate lipid accumulation. Peroxisome average is 7.3 per hepatocyte.

THIS PAGE REVISED.
COVANCE STUDY NO.:6329-212

SIGNATURE: [signature] DATE: 11-15-01

TRANSMISSION ELECTRON MICROGRAPH INTERPRETATION

Study No.: 6329-212 EM 01.38

Species/Strain: Crl:CD® (SD) IGS BR

Animal No.: C90908

Tissue: Liver - Periportal

Treatment Group: 4 (Mid-high 100ppm NEtFOSE)

Block No(s).: C90908 1A

Sex: Male

Photo/Negative No(s).: L6305-L6310

Significant Lesions (check one): X Yes _____ No

Interpreting Pathologist (signature and date): [signature] March 28, 2001

Features: **L6305.** Liver. Hepatocyte. 10,200X. A somewhat round hepatocyte is located in the center of the micrograph. This cell contains a round nucleus with coarse chromatin. The cytoplasm is filled with abundant SER, and fewer mitochondria and RER. In addition to the SER, there are small to medium sized lipid droplets. Six (6) peroxisomes are counted. Surrounding this cell are wide sinusoids filled with clumped erythrocytes.
L6306. Liver. Hepatocyte. 7,920X. An oval hepatocyte is found vertically positioned in the center of the micrograph. The cell has an eccentrically located nucleus with coarse chromatin. The cytoplasm contains numerous mitochondria, patches of SER, and less but prominent RER. In addition, there are a few lipid droplets as well. Ten (10) peroxisomes are counted.
L6307. Liver. Hepatocyte. 7,920X. A cuboidal-shaped hepatocyte is found obliquely positioned in the center of the micrograph. This cell has a somewhat small nucleus with coarse chromatin. The cytoplasm contains numerous mitochondria, RER, some SER, and a few lipid droplets and an even smaller number of lysosomes. Eleven (11) peroxisomes are counted. A clump of electron dense debris is found along the edge of the cell (artifact). In the left hand corner of the micrograph, there is a clump of erythrocytes. A dilated bile canaliculus is found near the bottom on the left of the micrograph.
L6308. Liver. Hepatocyte. 7,530X. A round hepatocyte is observed in the center of the micrograph. This cell has two nuclei, one is slightly indented due to a large lipid droplet while the other is somewhat rounded. The cytoplasm contains a number of mitochondria, SER, RER, and a few medium sized lipid droplets. Ten (10) peroxisomes are counted. Similarly, hepatocytes surrounding this cell also contain medium to large lipid droplets. A clump of erythrocytes and lipid droplets are observed in a sinusoid in the bottom left corner of the micrograph. The dark staining of the upper left and the lighter staining of the lower right of the micrograph are considered staining artifacts.
L6309. Liver. Hepatocyte. 7,920X. An oblong-shaped hepatocyte is found obliquely positioned in the center of the micrograph. The cell contains a somewhat cuboidal-shaped nucleus with an irregular nuclear membrane. Numerous mitochondria, RER, and SER are found in the cytosol. In addition, numerous variable-sized, mostly medium, lipid droplets are also observed. Twelve (12) peroxisomes are counted.
L6310. Liver. Hepatocyte. 7,920X. A slightly rounded, dark staining hepatocyte is observed to the left of the micrograph center. The cell is characterized by a somewhat rounded nucleus and cytoplasm with mitochondria, RER, SER, and a few small to medium lipid droplets and 4 lysosomes. Nine (9) peroxisomes are counted. The hepatocyte to the upper left of this cell contains a small number of lysosomes. To the right of this cell, there are three elongated bundles of collagen. A number of clumped erythrocytes are found to the right and below this cell.

Conclusions: SER is increased in 5/6 hepatocytes. Lipid accumulation appears increased as well. Peroxisome average is 9.7 per hepatocyte.

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COVANCE STUDY NO.:6329-212

SIGNATURE: [signature] DATE: 11-15-01

TRANSMISSION ELECTRON MICROGRAPH INTERPRETATION

Study No.: 6329-212 EM 01.38

Species/Strain: Crl:CD® (SD) IGS BR

Animal No.: C90926

Tissue: Liver -Periportal

Treatment Group: 4 (Mid-high 100ppm NEtFOSE)

Block No(s).: C90926 1A

Sex: Male

Photo/Negative No(s).: L6234-L6239

Significant Lesions (check one): X Yes _____ No

Interpreting Pathologist (signature and date): [signature] March 28, 2001

Features: **L6234.** Liver. Hepatocyte. 7,530X. A somewhat oval hepatocyte is found in the center of the micrograph. The nucleus is eccentrically located, somewhat rounded with an irregular undulating nuclear membrane. There is a single large nucleolus in the center of the nucleus. The cytosol contains numerous mitochondria, RER, and a large patch of SER. There are a few, 5, lipid droplets and a few small lysosomes. Six (6) peroxisomes are counted. Surrounding this cell are sinusoids containing erythrocytes, and cellular debris. Part of a hepatocyte with similar characteristics is observed in the lower left hand corner.
L6235. Liver. Hepatocyte. 7,530X. A vertically positioned, oval hepatocyte is found in the center of the micrograph. On the right of the cell, the plasma membrane is difficult to discern. The nucleus of this cell is slightly round with an irregular nuclear membrane. The cytoplasm contains a dense accumulation of SER along the top, and mitochondria and RER scattered randomly throughout the cell. A small cluster of lysosomes is found at the bottom of the cell. Seven (7) peroxisomes are counted. Surrounding this cell, the perisinusoidal space is filled with cellular debris, and an erythrocyte. A binucleated hepatocyte is found along the bottom left with similar characteristics as the one described while another hepatocyte at the top left hand corner contains lysosomes in addition to mitochondria and RER.
L6236 (7,530X) and L6237 (4,990X). Liver. Hepatocellular debris. Micrograph is uninterruptible due to less than optimal fixation that causes difficulty in determining individual cell borders. There is an increase in the amount of residual bodies, presumed to be most likely lipofuscin deposits.
L6238. Liver. Hepatocyte. 4,990X. An oblong-shaped hepatocyte is found in the center of this micrograph. The central cell is characterized by an eccentrically located nucleus with a large round nucleolus. The cytosol contains abundant RER and mitochondria. Six (6) peroxisomes are counted. Above and to the right of this cell, there are a number of large lipid droplets that appear to be within the sinusoids. Two somewhat large round electron dense residual bodies are found on the left side of the micrograph and below the cell described.
L6239. Liver. Hepatocyte. 4,990X. A portion of a hepatocyte containing large lipid droplets. Based on the magnification, these droplets are extremely large.

Conclusions: Due to suboptimal fixation, cell morphology was difficult to interpret. There was evidence of an increase in lysosomes most likely lipofuscin pigment. Peroxisome average is 6.3 per hepatocyte.

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COVANCE STUDY NO.:6329-212

SIGNATURE: [signature] DATE: 11-15-01

TRANSMISSION ELECTRON MICROGRAPH INTERPRETATION

Study No.: 6329-212 EM 01.38

Species/Strain: Crl:CD® (SD) IGS BR

Animal No.: C90927

Tissue: Liver - Centrilobular

Treatment Group: 4 (Mid-high 100ppm NEtFOSE)

Block No(s).: C90927 1A

Sex: Male

Photo/Negative No(s).: L6240-L6244

Significant Lesions (check one): X Yes _____ No

Interpreting Pathologist (signature and date): [signature] March 28, 2001

Features: **L6240.** Liver. Hepatocyte. 7,920X. A cuboidal-shaped hepatocyte is found in the center of the micrograph. The cell has a very small nucleus (sectioning artifact). The cytoplasm contains a large amount of SER, RER, and mitochondria. A few lysosomes and lipid droplets are found randomly scattered within the cell. Fourteen (14) peroxisomes are counted. Other hepatocytes surrounding this cell have similar characteristics.
L6241. Liver. Hepatocyte. 7,520X. Off to the center right is approximately 90% of a hepatocyte. The nucleus of this cell is eccentrically located with a small nucleolus. The cytoplasm is filled with numerous small round mitochondria, RER, and SER. A few lipid droplets are also observed. Nine (9) peroxisomes are counted. A sinusoid with two erythrocytes, and a phagocytic cell (Kupffer cell) is found along the left side of the micrograph. The other hepatocytes in the micrograph have similar characteristics as the cell described.
L6242. Liver. Hepatocyte. 7,530X. A large oval hepatocyte is found encompassing almost all of the micrograph. The nucleus is eccentrically located with finely granular chromatin. The cytoplasm is distended with numerous mitochondria, RER, and abundant SER. Twenty (20) peroxisomes are counted. A leukocyte and two erythrocytes are found in a sinusoid at the left hand side of the micrograph. A circular deposit of electron dense material (artifact) is found in right top corner.
L6243. Liver. Hepatocyte. 7,530X. A round hepatocyte is found in the center of the micrograph. This cell has a somewhat eccentrically located round nucleus. The cytosol contains abundant mitochondria, RER, and SER. A few lipid vacuoles are also observed. Ten (10) peroxisomes are counted. Hepatocytes surrounding this cell also have similar characteristics.
L6244. Liver. Hepatocyte. 7,530X. An oval shaped hepatocyte is located vertically in the center of the micrograph. The cell has a large round nucleus with one prominent nucleolus. The cytoplasm contains a number of mitochondria, RER, and some SER randomly scattered between mitochondria and lipid droplets. Seven (7) peroxisomes are counted. The plasma membrane on the right side of the cell is characterized by numerous microvillous projections. A clump of erythrocytes is found in the upper left hand corner of the micrograph.

Conclusions: SER is increased. One hepatocyte is hypertrophic. Peroxisome average is 12.0 per hepatocyte.

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COVANCE STUDY NO.:6329-212

SIGNATURE: [signature] DATE: 11-15-01

TRANSMISSION ELECTRON MICROGRAPH INTERPRETATION

Study No.: 6329-212 EM 01.38

Species/Strain: Crl:CD® (SD) IGS BR

Animal No.: C90928

Tissue: Liver - Periportal

Treatment Group: 4 (Mid-high 100ppm NEtFOSE)

Block No(s).: C90928 1A

Sex: Male

Photo/Negative No(s).: L6245-L6250

Significant Lesions (check one): X Yes ____ No

Interpreting Pathologist (signature and date): [signature] March 28, 2001

Features: **L6245.** Liver. Hepatocyte. 7,530X. A somewhat larger hepatocyte is observed horizontally positioned in the middle of the micrograph. The cell has a large round nucleus with a large nucleolus. The cytoplasm is filled with SER, mitochondria, RER, and a number of small to medium sized lipid droplets. Eight (8) peroxisomes are counted. Bordering hepatocytes also have lipid droplets and increased SER. Tissue folds (electron dense lines over the entire micrograph) are artifacts.

L6246. Liver. Hepatocyte. 7,530X. A rather large hepatocyte (encompassing almost the entire micrograph) is found in the center of the micrograph. The cell has two nuclei, one small and one large (sectioning artifact). Within the cytoplasm, there is an abundance of SER separating small mitochondria and individual cisternae of RER. Lipid droplets are found scattered along the outer periphery of the cell. Fifteen (15) peroxisomes are counted. There is an increase in the amount of electron dense cellular debris on the micrograph (artifact).

L6247. Liver. Hepatocyte. 7,530X. In the center of the micrograph, there is approximately 90% of a single hepatocyte observed. This cell has a large central nucleus with a large nucleolus. The cytoplasm is filled with SER, RER, and small round mitochondria. A cluster of lipid is found on the right side of this cell as well as in the hepatocyte below. Fifteen (15) peroxisomes are observed. Tissue folds and staining artifact is present over the entire micrograph.

L6248. Liver. Hepatocyte. 7,920X. A slightly larger cell is found in the center of the micrograph. The nucleus is small and centrally located. The cytoplasm is filled with loosely packed SER, RER, and widely space mitochondria. A few medium sized lipid droplets are also observed. Ten (10) peroxisomes are counted. Similar to the other micrograph, staining artifact is scattered over the entire micrograph.

L6249. Liver. Hepatocyte. 7,920X. Approximately 90% of a hepatocyte is found in the middle of the micrograph. The nucleus of this cell is distinctly round and large. The cytoplasm contains abundant SER, RER, and mitochondria. Seven (7) peroxisomes are counted. Bordering hepatocytes contain similar characteristics but with slightly more lipid.

L6250. Liver. Hepatocyte. 12,100X. High magnification of the cytoplasm of a hepatocyte. Within the cytoplasm, there are a number of mitochondria, wide spaced cisternae of RER, and SER. Staining artifact is also present on this micrograph. Peroxisomes not counted.

Conclusions: SER is increased. Four out of six hepatocytes are hypertrophic. Peroxisome average is 11.0 per hepatocyte.

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COVANCE STUDY NO.:6329-212

SIGNATURE: [signature] DATE: 11-15-01

TRANSMISSION ELECTRON MICROGRAPH INTERPRETATION

Study No.: 6329-212 EM 01.38

Species/Strain: Crl:CD® (SD) IGS BR

Animal No.: C91127

Tissue: Liver - Centrilobular

Treatment Group: 1 (Control)

Block No(s).: C91127

Sex: Female

Photo/Negative No(s).:L6251-L6256

Significant Lesions (check one): _____ Yes X No

Interpreting Pathologist (signature and date): C A Cummings March 27, 2001

Features: L6251. Liver. Hepatocyte. 7,530X. In the middle of the micrograph, positioned somewhat horizontally there is an oval hepatocyte. This cell has a large indented nucleus with an eccentric nucleolus. In the cytosol, there are two large lipid droplets, numerous mitochondria, and RER. SER, and a few small lysosomes are also found. Thirteen (13) peroxisomes are counted. Above the hepatocyte, there is a sinusoid lined by a prominent endothelial cell. Another hepatocyte in the upper left hand corner that contains a large lipid droplet while another hepatocyte on the bottom of the micrograph also has a large lipid droplet.
L6252. Liver. Hepatocyte. 7,530X. Approximately 90% of one hepatocyte is found in the center of the micrograph. This cell is characterized by an eccentrically large round nucleus with a prominent nucleolus. The cytosol contains numerous mitochondria, randomly scattered RER, and a few lipid droplets. Eleven (11) peroxisomes are counted.
L6253. Liver. Hepatocyte. 7,530X. A small hepatocyte in the center of the micrograph is slightly compressed on the right by a large lipid droplet. The central hepatocyte has an eccentrically located nucleus with a prominent nucleolus. Within the cytosol of this cell, there is one large lipid droplet, loosely scattered mitochondria, and scant RER. Eleven (11) peroxisomes are counted.
L6254. Liver. Hepatocyte. 7,530X. A polygonal hepatocyte is found to the left of the micrograph center. The cell membrane is irregular with microvilli. The cell has a large distinctly round nucleus with a marginating nucleolus. The cytosol is filled with numerous round mitochondria, RER, and a medium sized lipid droplet. Below this cell, there are multiple large lipid droplets, one is found along the bottom right of the micrograph. Eight (8) peroxisomes are counted.
L6255. Liver. Hepatocyte. 7,530X. An oval hepatocyte is found vertically positioned in the center of the micrograph. This cell has a large somewhat rounded nucleus with a single nucleolus. The cytoplasm contains a number of mitochondria, abundant RER, and randomly scattered patches of SER with associated glycogen. Four lipid droplets are also observed. Seven (7) peroxisomes are counted. Surrounding this hepatocyte, there are other hepatocytes that contain large lipid droplets, especially prominent in the upper left hand corner. SER in the other hepatocytes appear dilated. A large prominent endothelial cell is found lining the sinusoid in the upper right hand portion of the micrograph.
L6256. Liver. Hepatocyte. 7,530X. A pyramidal-shaped hepatocyte is found in the center of the micrograph. The cell has two round nuclei, one has a large prominent nucleolus and the other has none (possibly plane of section). The cytosol of this cell contains numerous mitochondria, RER, and patches of loosely arranged glycogen. Four large lipid droplets are also observed. Fifteen (15) peroxisomes are counted.

Conclusions: Normal hepatocytes. Mild lipid accumulation. Peroxisome average is 10.8 per hepatocyte.

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COVANCE STUDY NO.:6329-212

SIGNATURE: C A Cummings DATE: 11-15-01

TRANSMISSION ELECTRON MICROGRAPH INTERPRETATION

Study No.: 6329-212 EM 01.38

Species/Strain: Crl:CD® (SD) IGS BR

Animal No.: C91131

Tissue: Liver -Periportal

Treatment Group: 1 (Control)

Block No(s).: C91131 1A

Sex: Female

Photo/Negative No(s).:L6257-L6262

Significant Lesions (check one): _____ Yes X No

Interpreting Pathologist (signature and date): [signature] March 27, 2001

Features: **L6257**. Liver. Hepatocyte. 7,530X. A somewhat oval hepatocyte is found centered on the micrograph. The cell is characterized by a somewhat oval nucleus with a prominent marginating nucleolus and a cytoplasm filled with numerous mitochondria, RER, and a number of large lipid droplets. Some of the lipid droplets contain cellular debris. A few randomly scattered lysosomes and glycogen particles are also observed. Ten (10) peroxisomes are counted. Surrounding this hepatocyte is a dilated sinusoid lined by prominent endothelial cells and containing a number of clumped erythrocytes and along the bottom of the micrograph, a perisinusoidal lipid-laden fat storing cell (Ito cell).
L6258. Liver. Hepatocyte. 7,530X. A polygonal-shaped hepatocyte is found in the center of the micrograph. This cell has a small nucleus (sectioning artifact). The cytoplasm is distended with loosely arranged mitochondria, RER, and a large number of lipid droplets. A number of these droplets contain debris. Twelve (12) peroxisomes are counted. Surrounding this hepatocyte on all sides are dilated sinusoids with erythrocytes. A large perisinusoidal fat storing cell (Ito cell) is observed on the bottom of the micrograph.
L6259. Liver. Hepatocyte - perisinusoidal space. 10,200X. Within a dilated sinusoid, there is a cell (presumed phagocytic, Kupffer cell) filled with large lysosomes and a few dilated RER cisternae. Also within this sinusoid are a few erythrocytes, and a perisinusoidal fat storing cell (Ito cell) located in the left bottom corner of the micrograph. The microvillous border and the endothelial cell lining is quite prominent as is the space of Disse. Portions of hepatocytes found lining the outer edge of this sinusoid are dark and filled with lipid droplets and mitochondria. No peroxisomes are counted.
L6260. Liver. Hepatocyte. 7,530X. A centrally located binucleated hepatocyte is observed. The cytosol contains randomly scattered mitochondria, separated by SER, dilated cisternae of RER, and a few small lysosomes and medium sized lipid droplets. Ten (10) peroxisomes are counted. A prominent perisinusoidal fat storing cell (Ito cell) is found in the upper left hand corner of the micrograph. Hepatocytes bordering the bottom half of the micrograph also contain lipid droplets.
L6261. Liver. Hepatocyte. 7,530X. Two prominent oval hepatocytes are found side by side in the center of the micrograph. The hepatocyte on the left has a distinctly round somewhat eccentrically nucleus. The cytoplasm contains numerous stacks of RER, lesser SER, and a number of small round to elongate and slender mitochondria. Medium-sized lipid droplets are also observed. Fourteen (14) peroxisomes are counted. Located in the upper right hand corner of the micrograph is a perisinusoidal fat storing cell that is somewhat compressing both hepatocytes.
L6262. Liver. Hepatocyte. 7,530X. A somewhat cuboidal hepatocyte is found in the center of the micrograph. This cell has a large round nucleus with a marginating nucleolus. The cytosol contains a number of mitochondria, often clumped together and compressed due to large lipid droplets. A number of lipid droplets are observed. RER and SER as well as a few small lysosomes are also observed. Eight (8) peroxisomes are counted.

Conclusions: Normal hepatocytes. Mild lipid accumulation. Peroxisome average is 10.8 per hepatocyte.

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COVANCE STUDY NO.:6329-212

SIGNATURE: [signature] DATE: 11-15-01

TRANSMISSION ELECTRON MICROGRAPH INTERPRETATION

Study No.: 6329-212 EM 01.38

Species/Strain: Crl:CD® (SD) IGS BR

Animal No.: C91144

Tissue: Liver - Centrilobular

Treatment Group: 1 (Control)

Block No(s).: C91144 1A

Sex: Female

Photo/Negative No(s).:L6263-L6267

Significant Lesions (check one): _____ Yes X No

Interpreting Pathologist (signature and date): [signature] March 28, 2001

Features: **L6263**. Liver. Hepatocyte. 7,530X. A round hepatocyte is found in the center of the micrograph. The centrally located nucleus has an irregular nuclear membrane. The nucleus contains one large eccentrically located nucleolus. There are numerous mitochondria characterized by pale dilated cristae. Large cisternae of RER are found as well as a few small randomly scattered lysosomes. A few lipid droplets are found along the periphery of the cell. Fifteen (15) peroxisomes are counted.

L6264. Liver. Hepatocyte. 7,530X. In the center of the micrograph, there is a round hepatocyte with a somewhat rounded nucleus. The cytosol is filled with abundant RER and mitochondria. A few large lipid droplets and a few small lysosomes are also observed. Thirteen (13) peroxisomes are counted. This cell is bordered by other hepatocytes with similar characteristics. Along the bottom of the micrograph, there is a sinusoid containing a leukocyte. The endothelial cell lining the right side of this sinusoid is also observed.

L6265. Liver. Hepatocyte. 7,920X. An oval hepatocyte is centered horizontally on the micrograph. This cell has an irregularly rounded nucleus with a somewhat marginating nucleolus. The cytoplasm of the cell is filled with RER, mitochondria, a few variable-sized lipid droplets, and randomly scattered small patches of SER. Thirteen (13) peroxisomes are counted. The cell membrane contains a number of microvillous projections that extend into the surrounding sinusoids.

L6266. Liver. Hepatocyte. 7,530X. In the center of the micrograph is a somewhat pyramidal-shaped hepatocyte. This hepatocyte has a centrally located round nucleus with a prominent eccentrically located nucleolus. The cytoplasm is filled with RER, SER, and numerous mitochondria. Lipid droplets, and a few small lysosomes are also observed. Twelve (12) peroxisomes are counted. A few tissue fissures are observed along the left side of the micrograph (sectioning artifact).

L6267. Liver. Hepatocyte. 7,920X. A polygonal shaped hepatocyte is found in the center of the micrograph. The cell has a large slightly cuboidal nucleus with a large round prominent nucleolus. Numerous mitochondria and stacks of RER are found within the cytosol. A few variable sized lipid droplets and a few lysosomes are also observed. Eleven (11) peroxisomes are counted. In the top right hand corner of the micrograph, there are some clumped erythrocytes. In the lower right hand corner, there is a dilated sinusoid lined by prominent endothelial cells.

Conclusions: Normal hepatocytes. Peroxisome average is 12.8 per hepatocyte.

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COVANCE STUDY NO.:6329-212

SIGNATURE: [signature] DATE: 11-15-01

TRANSMISSION ELECTRON MICROGRAPH INTERPRETATION

Study No.: 6329-212 EM 01.38

Species/Strain: Crl:CD® (SD) IGS BR

Animal No.: C91148

Tissue: Liver - Centrilobular

Treatment Group: 1 (Control)

Block No(s).: C91148 1A

Sex: Female

Photo/Negative No(s).: L6268-L6273

Significant Lesions (check one): _____ Yes X No

Interpreting Pathologist (signature and date): [signature] March 28, 2001

Features: **L6268.** Liver. Hepatocyte. 4,990X. A polygonal-shaped hepatocyte is found vertically located in the center of the micrograph. This hepatocyte has a large oval nucleus with four prominent nucleoli. The cytoplasm contains abundant RER, some SER, and a few lipid droplets along the outer periphery of the cell. Mitochondria are small and mild to moderately pleomorphic. Seven (7) peroxisomes are counted. The hepatocyte is surrounded by a dilated sinusoids filled with erythrocytes and some cellular debris.

L6269. Liver. Hepatocyte. 7,920X. A somewhat rounded hepatocyte is found in the center of the micrograph. The cell has a large oval nucleus with a prominent nucleolus. The cytosol contains numerous mitochondria, RER, less SER, and a few lipid droplets. Thirteen (13) peroxisomes are counted. A hepatocyte in the upper left hand corner of the micrograph has similar characteristics as the central hepatocyte.

L6270. Liver. Hepatocyte. 7,530X. A cuboidal-shaped hepatocyte is found in the center of the micrograph. The cell has an eccentrically located nucleus with a prominent nucleolus. The cytoplasm is filled with numerous somewhat dilated cisternae of RER, a number of pale staining mitochondria, and two large lipid droplets. Twelve (12) peroxisomes are counted.

L6271. Liver. Hepatocyte – sinusoid. 7,920X. A perisinusoidal fat storing cell (Ito cell) is located in the lower half of the micrograph. A large somewhat flat endothelial cell is observed in the center of the micrograph containing a large vacuole containing cellular debris and smaller, randomly scattered, vesicles. Hepatocytes located above and below this sinusoid are not described. Peroxisomes not counted.

L6272. Liver. Hepatocyte. 7,530X. An oval hepatocyte in the center of the micrograph is somewhat smaller than normal. The nucleus is round with an irregular undulating nuclear membrane. The cytoplasm is filled with large dilated endoplasmic reticulum. The micrograph is somewhat pale and the type of endoplasmic reticulum is presumed smooth. Interwoven with the SER are numerous mitochondria with prominent dilated lamellar cristae. Peroxisomes not counted.

L6273. Liver. Hepatocyte. 7,920X. A large polygonal-shaped hepatocyte is found in the center of the micrograph. The nucleus of this cell is round with a marginating nucleolus. The cytoplasm contains a number of mitochondria separated by large cisternae of RER and patches of SER. A few lipid droplets, some with cellular debris, are also observed. Fourteen (14) peroxisomes are counted. Clumps of erythrocytes are found long the upper left and right hand borders of the micrograph.

Conclusions: Normal hepatocytes. Peroxisome average is 11.5 per hepatocyte.

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COVANCE STUDY NO.:6329-212

SIGNATURE: [signature] DATE: 11-15-01

TRANSMISSION ELECTRON MICROGRAPH INTERPRETATION

Study No.: 6329-212 EM 01.38

Species/Strain: Crl:CD® (SD) IGS BR

Animal No.: C91159

Tissue: Liver - Periportal

Treatment Group: 1 (Control)

Block No(s).: C91159 1A

Sex: Female

Photo/Negative No(s).:L6274-L6278

Significant Lesions (check one): _____ Yes __X__ No

Interpreting Pathologist (signature and date): [signature] March 28, 2001

Features: **L6274.** Liver. Hepatocyte. 7,530X. A polygonal-shaped hepatocyte is found in the center of the micrograph. The cell has a small round nucleus with an irregular nuclear membrane. The cytosol is distended with large numbers of mitochondria, abundant RER, a lesser SER. Also observed are a number of small to medium-sized lipid droplets. Eleven (11) peroxisomes are counted. A few small lysosomes are also found randomly scattered within the cytosol. Above this hepatocyte, there is a large sinusoid filled with erythrocytes and a small perisinusoidal fat storing cell (Ito cell)

L6275. Liver. Hepatocyte. 7,920X. A polygonal-shaped hepatocyte is found in the center of the micrograph surrounded on four sides by other hepatocytes with similar characteristics. A large sinusoid is found at the bottom of the micrograph. Microvilli on the cell membrane of the central hepatocyte are found projecting into the lumen of the sinusoid. The central hepatocyte is characterized by a bean-shaped nucleus. The cytoplasm is filled with SER, RER, and numerous mitochondria. Ten (10) peroxisomes are counted.

L6276. Liver. Hepatocyte. 7,920X. A somewhat rounded hepatocyte with a distinctly rounded nucleus is found in the center of the micrograph. The nucleus has a large round nucleolus. Within the cytosol, there are a number of similar-sized mitochondria, RER, and SER. Ten (10) peroxisomes are counted. A large clump of erythrocytes is found in the upper left hand corner of the micrograph.

L6277. Liver. Hepatocyte. 7,530X. Approximately 95% of an oval cell is observed in the center of the micrograph. The nucleus is distinctly rounded and the cytoplasm is filled with mitochondria and RER. A few small patches of SER are also observed. Thirteen (13) peroxisomes are counted. Four other hepatocytes are found surrounding this hepatocyte along the bottom and right side of the micrograph; these cells have similar characteristics as the cell described.

L6278. Liver. Hepatocyte. 7,920X. A polygonal-shaped hepatocyte is observed in the center of the micrograph. The nucleus is distinctly rounded with a prominent nucleolus and a less prominent area of clumped chromatin. The cytoplasm is filled with mitochondria separated by SER and RER. Eleven (11) peroxisomes are counted.

Conclusions: Normal hepatocytes. Peroxisome average is 11.0 per hepatocyte.

THIS PAGE REVISED.
COVANCE STUDY NO.:6329-212

SIGNATURE: [signature] DATE: 11-15-01

TRANSMISSION ELECTRON MICROGRAPH INTERPRETATION

Study No.: 6329-212 EM 01.38

Species/Strain: Crl:CD® (SD) IGS BR

Animal No.: C91324

Tissue: Liver - Centrilobular

Treatment Group: 4 (Mid-high 100ppm NEtFOSE)

Block No(s).: C91324 1A

Sex: Female

Photo/Negative No(s).: L6279-L6283

Significant Lesions (check one): X Yes _____ No

Interpreting Pathologist (signature and date): [signature] March 28, 2001

Features: **L6279.** Liver. Hepatocyte. 7,530X. An oval-shaped hepatocyte is observed in the center of the micrograph. The cell has a distinctly round nucleus with two small prominent nucleoli. The cytoplasm contains numerous mitochondria, RER, and SER. Small to medium sized lipid droplets are also observed. Thirteen (13) peroxisomes are counted. The plasma membrane of the cell has numerous microvillous projections. Surrounding this cell, the sinusoids contain a large amount of cellular debris. A hepatocyte in the left hand lower corner has similar morphologic characteristics as the cell described.
L6280. Liver. Hepatocyte. 7,920X. A somewhat round hepatocyte is found in the middle of the micrograph. The cell has a large round nucleus with an irregular nuclear membrane. Within the nucleus, there are two prominent nucleoli. The cytoplasm is filled with streams of RER, numerous mitochondria, and an increase in SER. A few lipid droplets are also observed; some have small myelin figures. Eight (8) peroxisomes are counted. The bordering hepatocytes have a similar increase in SER and a number of lipid droplets. Along the right hand side of the micrograph, there is a phagocytic cell containing electron dense material (lipofuscin).
L6281. Liver. Hepatocyte. 7,920X. The micrograph is dark that makes interpretation difficult. A large binucleated hepatocyte is located along the left hand side of the micrograph. The nuclei are round; one has a prominent nucleolus. The cytoplasm is filled with abundant SER, and less RER and mitochondria. Small and medium sized lipid droplets are also observed. Six (6) peroxisomes are counted. On the lower right hand side of the micrograph, there is a portion of another hepatocyte that contains three large lipid droplets.
L6282. Liver. Hepatocyte. 4,990X. A cuboidal-shaped hepatocyte is located somewhat in the middle of the micrograph. This cell has a small round nucleus and abundant cytoplasm. Within the cytoplasm, there is an increase in SER, RER, and mitochondria. A few small and medium sized lipid droplets are also observed. Seven (7) peroxisomes are counted. There are a number of small lysosomes in the cytoplasm as well. Additionally, the hepatocyte in the left hand corner also contains small lysosomes.
L6283. Liver. Hepatocyte. 7,530X. A pyramidal-shaped hepatocyte is found in the center of the micrograph on top of another hepatocyte. The pyramidal cell has an eccentrically located, round, nucleus. The cytoplasm is filled with mitochondria, RER, and a few patches of SER. A number of medium and some small lipid droplets along with a few small lysosomes are also observed. The hepatocyte below this cell also contains small lipid droplets and an increase in SER. The sinusoid on the right side of the micrograph contains three erythrocytes. Peroxisomes are not counted due to the darkness of the cytoplasm.

Conclusions: SER is increased. Both lipid and lysosomal accumulation appear slightly increased as well. Peroxisome average is 8.5 per hepatocyte.

THIS PAGE REVISED.
COVANCE STUDY NO.:6329-212

SIGNATURE: [signature] DATE: 11-15-01

TRANSMISSION ELECTRON MICROGRAPH INTERPRETATION

Study No.: 6329-212 EM 01.38

Species/Strain: Crl:CD® (SD) IGS BR

Animal No.: C91332

Tissue: Liver - Periportal

Treatment Group: 4 (Mid-high 100ppm NEtFOSE)

Block No(s).: C91332 1A

Sex: Female

Photo/Negative No(s).: L6284-L6288

Significant Lesions (check one): X Yes _____ No

Interpreting Pathologist (signature and date): [signature] March 28, 2001

Features: **L6284.** Liver. Hepatocyte. 4,990X. The micrograph has a central sinusoid surrounded by five cuboidal shaped hepatocytes. These hepatocytes are the same shape and have the same morphologic characteristics. Three have a central round nucleus. All of the cells have abundant mitochondria, RER, and an increase in SER. One hepatocyte has a large number of electron dense lysosomes. Peroxisomes not counted.
L6285. Liver. Hepatocyte. 7,530X. A slightly larger binucleated hepatocyte is found to the left of the center of the micrograph. The nuclei are round and of the same size, both have nucleoli; one nucleus has a large nucleolus. The cytosol is characterized by an increase in SER, less RER, and numerous small similar sized mitochondria. A few lipid droplets are also observed. Seven (7) peroxisomes are counted. Along the bottom edge of the cell, there is a small accumulation of lysosomes. Similarly, the hepatocyte below and adjacent to this cell also contains some lysosomes. In the upper right hand edge of the micrograph, there is a large sinusoid with one small erythrocyte.
L6286. Liver. Hepatocyte. 4,990X. A somewhat oblong hepatocyte is observed in the center of the micrograph surrounded by other hepatocytes of similar size and morphologic characteristics. The central cell has a distinctly round nucleus with a prominent nucleolus. Within the cytosol, there are a number of mitochondria, RER, some SER, and an increased number of small to medium sized lipid droplets. Peroxisomes difficult to discern; therefore, not counted.
L6287. Liver. Hepatocyte. 7,530X. A somewhat oval-shaped hepatocyte is observed in the center of the micrograph surrounded by similar hepatocytes. This cell has an oval to round nucleus with a central prominent nucleolus. The cytoplasm is packed with similar-sized mitochondria, some RER, and a few small lipid droplets. To the right side of the cell, there are a few small lysosome granules. Nine (9) peroxisomes are counted. Hepatocytes above and below this cell have an increase in SER as well as minimal lipid accumulation.
L6288. Liver. Hepatocyte. 7,920X. A cuboidal-shaped hepatocyte is found within the center of the micrograph. This cell has a slightly rounded nucleus with an irregular nuclear membrane. A marginating nucleolus is found within the nucleus. The cytoplasm is characterized by abundant mitochondria, some RER, a few small patches of SER and lipid droplets. Three of the lipid droplets have myelin figures. Ten (10) peroxisomes are counted.

Conclusions: Mild increase in SER. A few lysosomes observed as well. Peroxisome average is 8.7 per hepatocyte.

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COVANCE STUDY NO.:6329-212

SIGNATURE: [signature] DATE: 11-15-01

TRANSMISSION ELECTRON MICROGRAPH INTERPRETATION

Study No.: 6329-212 EM 01.38

Species/Strain: Crl:CD® (SD) IGS BR

Animal No.: C91335

Tissue: Liver - Periportal

Treatment Group: 4 (Mid-high 100ppm NEtFOSE)

Block No(s).: C91335 1A

Sex: Female

Photo/Negative No(s).: L6289-L6293

Significant Lesions (check one): X Yes _____ No

Interpreting Pathologist (signature and date): [signature] March 28, 2001

Features: **L6289.** Liver. Hepatocyte. 10,200X. Approximately 90% of a hepatocyte is found filling the whole micrograph. The cell has a large round nucleus with finely granular chromatin. The cytoplasm is filled with an increase in SER, RER, and a number of small round mitochondria. There are a number of small to medium sized lipid droplets also scattered throughout the cell. Twelve (12) peroxisomes are observed. A knife mark is found running thru the cell (artifact).
L6290. Liver. Hepatocyte. 7,920X. A large cuboidal-shaped hepatocyte is found in the center of the micrograph. The cell has a large round nucleus with a large nucleolus. The cytoplasm is filled with numerous small mitochondria, RER, and SER. Lipid droplets are also observed. Fifteen (15) peroxisomes are counted. The bordering hepatocytes have similar characteristics especially an increase in SER.
L6291. Liver. Hepatocyte. 7,530X. A slightly larger oval hepatocyte is observed in the middle of the micrograph. The cell has a rounded nucleus and abundant cytoplasm. Mitochondria, RER, and an increase in SER are prominent features in the cytosol. There are a number of randomly scattered small and medium sized lipid droplets. Thirteen (13) peroxisomes are counted. Bordering hepatocytes have similar increase in SER and lipid.
L6292. Liver. Hepatocyte. 7,530X. A round hepatocyte is found in the center of the micrograph. The cell has a round nucleus and a cytoplasm filled with medium size lipid droplets. Additionally, mitochondria, and RER, a few patches of SER, and a small number of lysosomes are also observed. Nine (9) peroxisomes are counted. Bordering this cell in the lower left hand corner of the micrograph, there is another hepatocyte with also increased SER and some lysosomes. Above this cell, there is a wide sinusoid filled with serum plasma, erythrocytes, and a leukocyte.
L6293. Liver. Hepatocyte. 7,530X. A slightly larger oblong hepatocyte is found in the center of the micrograph. The cell has a large round nucleus. The cytosol is filled with numerous mitochondria, RER and SER. A small number of lipid droplets are also observed. Thirteen (13) peroxisomes are counted. A knife mark thru the middle of the cell is an artifact of sectioning.

Conclusions: SER is increased. Three hepatocytes are slightly larger than normal. Peroxisome average is 12.4 per hepatocyte.

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COVANCE STUDY NO.:6329-212

SIGNATURE: [signature] DATE: 11-15-01

TRANSMISSION ELECTRON MICROGRAPH INTERPRETATION

Study No.: 6329-212 EM 01.38

Species/Strain: Crl:CD® (SD) IGS BR

Animal No.: C91336

Tissue: Liver - Centrilobular

Treatment Group: 4 (Mid-high 100ppm NEtFOSE)

Block No(s).: C91336 1A

Sex: Female

Photo/Negative No(s).: L6294-L6298

Significant Lesions (check one): X Yes ____ No

Interpreting Pathologist (signature and date): [signature] March 28, 2001

Features: **L6294.** Liver. Hepatocyte. 7,920X. A somewhat round hepatocyte is found in the center of the micrograph. This cell has a large round nucleus. The cytoplasm contains numerous mitochondria, RER, and SER. In the left half of the cell, there is a large accumulation of lipofuscin granules. Eleven (11) peroxisomes are counted. The surrounding hepatocytes have similar characteristics, especially an increase in SER. One hepatocyte, in the lower left hand corner of the micrograph that contains lipofuscin as well. There is a large sinusoid in the bottom right hand corner of the micrograph that contains erythrocytes.

L6295. Liver. Hepatocyte. 7,530X. A somewhat rounded hepatocyte is found in the middle of the micrograph surrounded on three sides by other hepatocytes with similar characteristics. The central hepatocyte has a distinctly rounded eccentrically located nucleus that has two nucleoli; one is somewhat central while the other is marginating along the periphery of the nucleus. The cytosol of this cell is characterized by an increase in SER, some RER, and numerous mitochondria. Four lipid droplets are also observed. A few small lysosomes are found randomly scattered throughout the cell. Nine (9) peroxisomes are counted. Two other hepatocytes in the micrograph also contain some lipofuscin granules. A sinusoid along the bottom right of the micrograph contain a large amount of cellular debris.

L6296. Liver. Hepatocyte. 7,530X. A staining, pyramidal-shaped hepatocyte is found in the center of the micrograph. The cell has an eccentrically located nucleus that contains a large somewhat round nucleolus. The cytoplasm of this cell is characterized by numerous mitochondria, RER, and SER. Along the left half of the cell, there is a large accumulation of lipofuscin. A few small to medium sized lipid droplets are also observed. Fourteen (14) peroxisomes are counted. Surrounding this hepatocytes are other hepatocytes with similar characteristics. A sinusoid in the upper left hand portion of the micrograph contains a clump of erythrocytes.

L6297. Liver. Hepatocyte. 7,530X. A slightly larger oblong hepatocyte (compared to other hepatocytes at same magnification), is found horizontally positioned in the center of the micrograph. This cell has a somewhat small irregular nucleus. The cytoplasm is distended with an increase in SER, RER, numerous mitochondria, and a few randomly scattered lipid droplets. Some of the lipid droplets have cellular debris or myelin figures. Twelve (12) peroxisomes are counted. Above this cell, there is another hepatocyte that appears slightly larger with an increase in SER also.

L6298. Liver. Hepatocyte. 7,920X. A triangular-shaped hepatocyte is found in the center of the micrograph. The cell has an extremely large nucleus. The cytoplasm is composed of numerous mitochondria, RER, and randomly scattered patches of SER. A few lipid droplets, some with myelin figures, are also observed. Six (6) peroxisomes are counted. Bordering this hepatocyte on the right is a larger hepatocyte. A perisinusoidal fat storing cell (Ito cell) is found in the upper right hand corner of the micrograph. In the lower left hand corner of the micrograph, there is a sinusoid lined by a prominent endothelial cell.

Conclusions: SER is increased. One hepatocyte is slightly hypertrophic Peroxisome average is 10.4 per hepatocyte.

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COVANCE STUDY NO.:6329-212

SIGNATURE: [signature] DATE: 11-15-01

TRANSMISSION ELECTRON MICROGRAPH INTERPRETATION

Study No.: 6329-212 EM 01.38

Species/Strain: Crl:CD® (SD) IGS BR

Animal No.: C91341

Tissue: Liver - Centrilobular

Treatment Group: 4 (Mid-high 100ppm NEtFOSE)

Block No(s).: C91341 1A

Sex: Female

Photo/Negative No(s).: L6311-L6316

Significant Lesions (check one): X Yes ____ No

Interpreting Pathologist (signature and date): [signature] March 28, 2001

Features: **L6311.** Liver. Hepatocyte. 7,530X. An elongated oval obliquely positioned hepatocyte is observed in the middle of the micrograph. The cell has a large oval nucleus. The cytoplasm contains numerous small round mitochondria, RER, and patches of SER. Ten (10) peroxisomes are counted. Surrounding this cell are dilated sinusoids that contain erythrocytes and cellular debris. In addition, to the left of this cell, there is another hepatocyte with no nucleus but with similar cytoplasmic characteristics.
L6312. Liver. Hepatocyte. 7,920X. A pyramidal-shaped hepatocyte is observed in the center of the micrograph positioned obliquely. The cell has a large somewhat oval nucleus that has a large prominent nucleolus. Within the cytosol of this cell, there are three large lipid droplets. In addition to the lipid, there are a number of mitochondria, RER and SER. Five (5) peroxisomes are counted. The hepatocyte above this cell has even larger lipid droplets.
L6313. Liver. Hepatocyte. 7,530X. An elongated oblong-shaped hepatocyte is observed in the center between two other hepatocytes with no nuclei. The central hepatocyte has a nucleus that is somewhat oval. The cytoplasm of this cell contains an increase in the amount of SER along with mitochondria, RER, a few lipid droplets, and lysosomes. Seven (7) peroxisomes are counted. Adjacent to this cell on the left side of the micrograph, there is a perisinusoidal fat storing cell (Ito cell). The sinusoid along the right side of the micrograph contains a finely granular material (serum plasma).
L6314. Liver. Hepatocyte. 7,530X. An elongated binucleated cell is observed in the center of the micrograph positioned somewhat obliquely. The cell nuclei are similar in shape and size except one has two nucleoli. The cytoplasm of this cell contains scattered SER, RER, and mitochondria. Fifteen (15) peroxisomes are counted. Along the outer periphery of this cell, there are a number of large lipid vacuoles. Two large perisinusoidal fat storing cells (Ito cells) are found; one to the left of the cell, the other on the right bottom corner of the cell.
L6315. Liver. Hepatocyte. 7,530X. A cuboidal-shaped hepatocyte is found in the middle of the micrograph. The cell has a small eccentrically located nucleus. The cytoplasm contains abundant SER, less RER, and numerous mitochondria. Lipid droplets are also observed. Twelve (12) peroxisomes are counted. In the upper left half of the micrograph, a sinusoid is observed containing a number of erythrocytes. In the lower left hand corner, there is a sinusoid that contains a large leukocyte and two erythrocytes.
L6316. Liver. Hepatocyte. 4,990X. Three hepatocytes are observed in the micrograph. The hepatocyte in the middle is characterized by indistinct cell membranes. This cell has a large round nucleus and a cytoplasm with SER, RER, and mitochondria. Peroxisomes are not counted due to the inability to determine cell boundaries.

Conclusions: SER is increased. Peroxisome average is 9.8 per hepatocyte.

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COVANCE STUDY NO.:6329-212

SIGNATURE: [signature] DATE: 11-15-01

SECTION III

TRANSMISSION ELECTRON MICROGRAPHS

FIGURE LEGENDS

Figure 1. Liver. Hepatocyte. This micrograph illustrates a normal hepatocyte. Note the numerous mitochondria and RER. Animal no. C90724, control male. Print magnification (PM) =7,530X. Bar = 1 micron

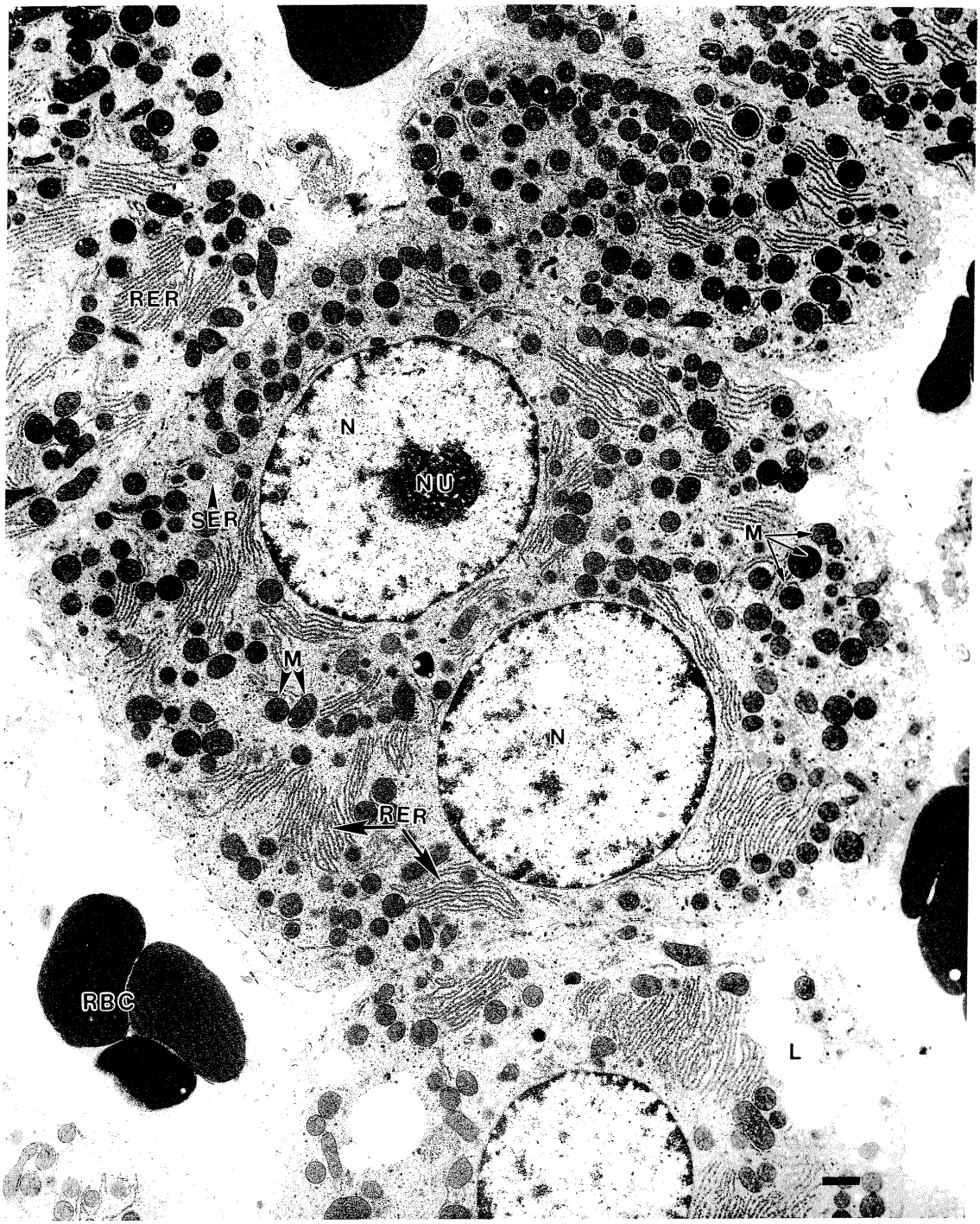
Figure 2. Liver. Hepatocyte. . 7,920X. Another example of a normal hepatocyte. The cytoplasm of the cell is filled with RER, mitochondria, a few variable-sized lipid droplets, and randomly scattered small patches of SER. Animal no. C91144, control female. PM=7,920X. Bar = 1 micron.

Figure 3. Liver. Hepatocyte. This hepatocyte is illustrating a large increase in SER. A few small to medium sized lipid droplets are also observed. Clumps of erythrocytes are found within surrounding sinusoids. Animal no. C90908, mid-high dose treated male. PM=10,200X. Bar = 1 micron.

Figure 4. Liver. Hepatocyte. A large binucleated hepatocyte is found in the center of this micrograph. Note the large increase in SER and the numerous small to large lipid droplets. Bordering hepatocytes are also filled with numerous lipid droplets. Animal no. C90904, mid-high dosed treated male. PM=4,990X. Bar = 2 microns.

Figure 5. Liver. Hepatocyte. A cuboidal-shaped hepatocytes is located somewhat in the middle of the micrograph. Within the cytoplasm, there is an increase in SER, RER, and mitochondria. In the bottom half of the cell, there is an accumulation of lysosomes. Additionally, the hepatocyte in the left hand corner also contains small lysosomes. The contents of the lysosomes are presumably lipofuscin pigments. Animal no. C91324, mid-high dose treated female. PM = 4,990X. Bar = 2 microns.

Figure 6. Liver. Hepatocyte. A somewhat round hepatocyte is found in the center of the micrograph. The cytoplasm contains numerous mitochondria, RER, and an abundance of SER. In the left half of the cell, there is a large accumulation of lysosome presumed to contain lipofuscin pigment. Surrounding hepatocytes have similar characteristics, especially an increase in SER. A large sinusoid in the bottom right hand corner of the micrograph contains some erythrocytes. Animal no. C91336, mid-high dose treated female. PM = 7,920X. Bar = 1 micron.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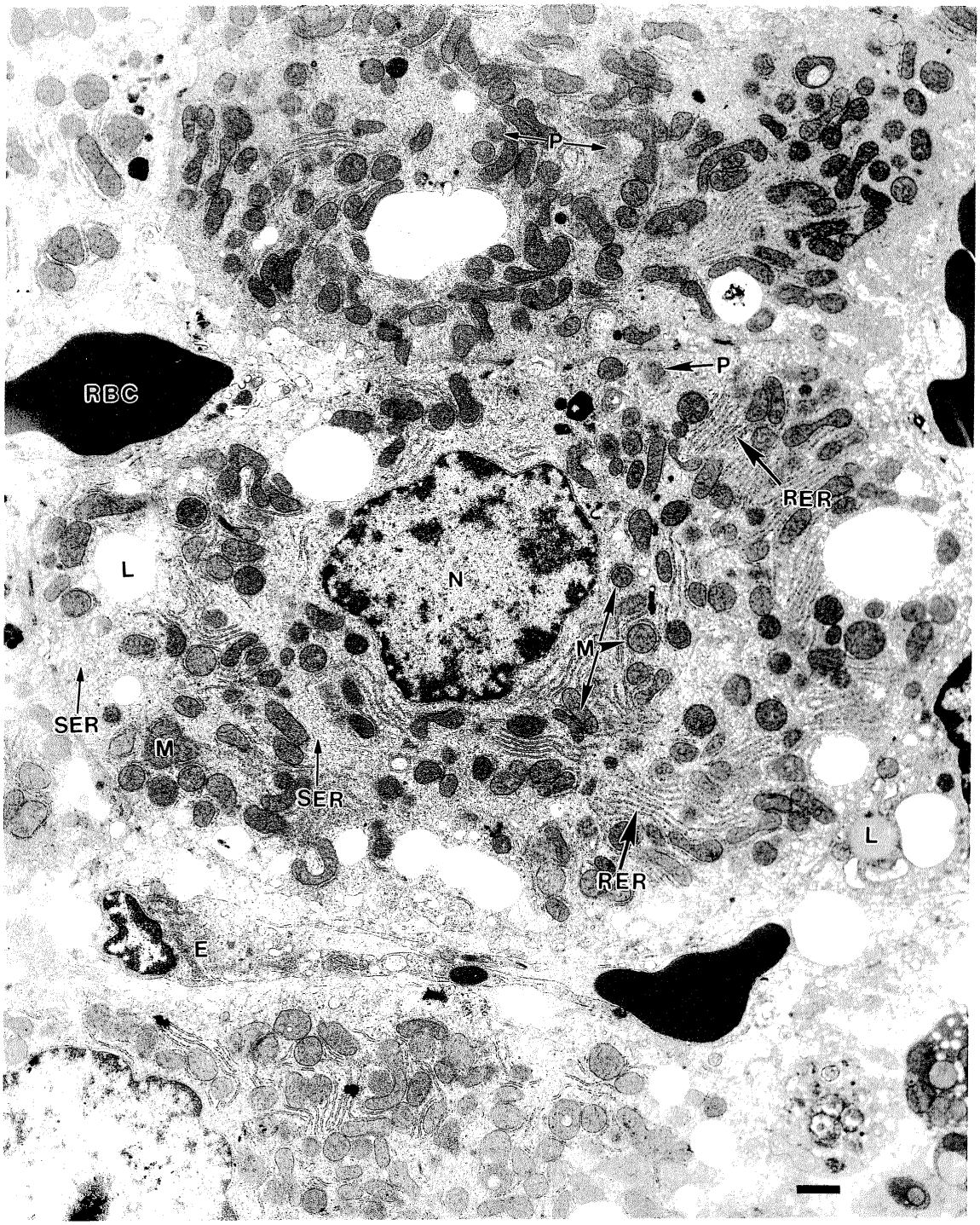
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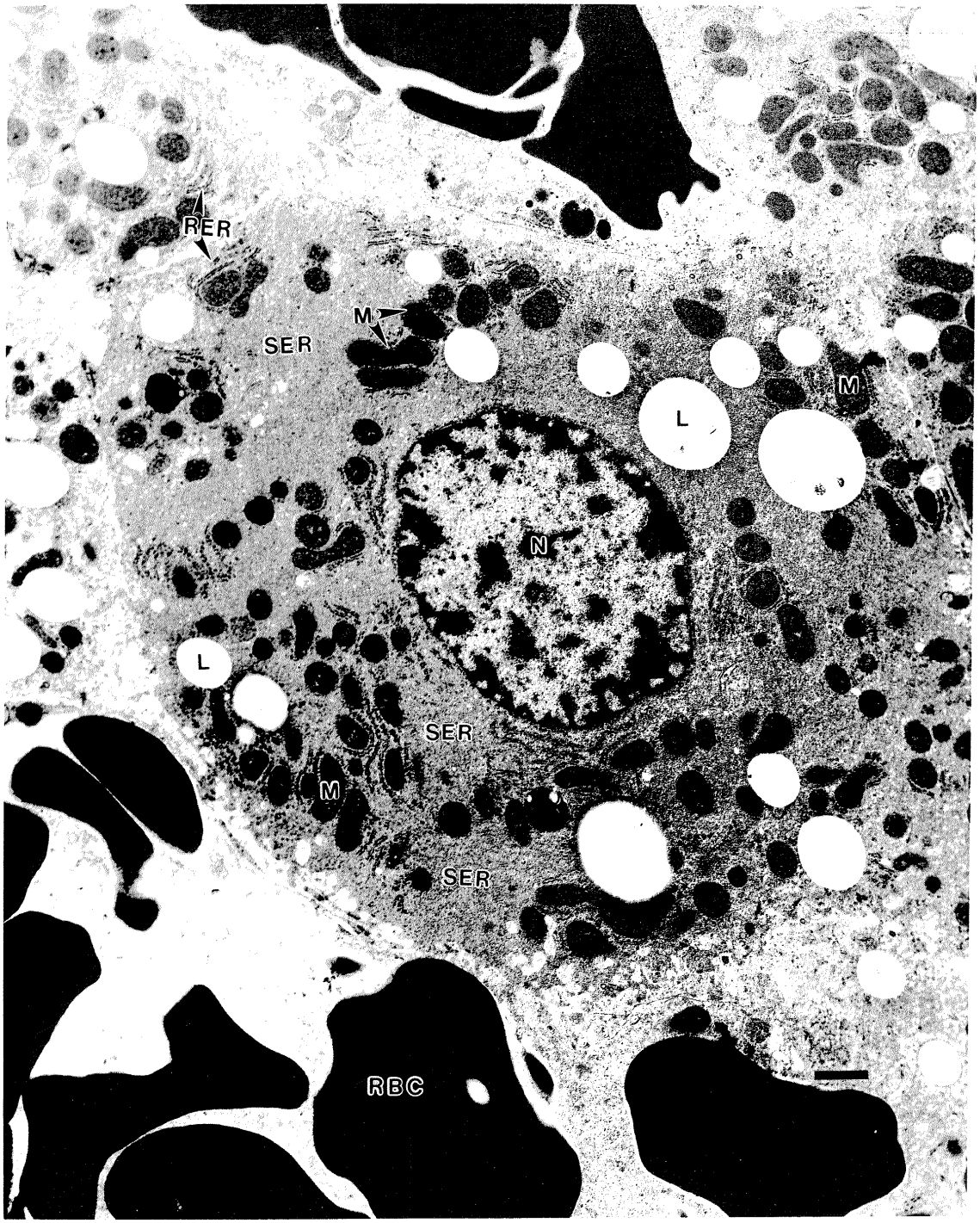
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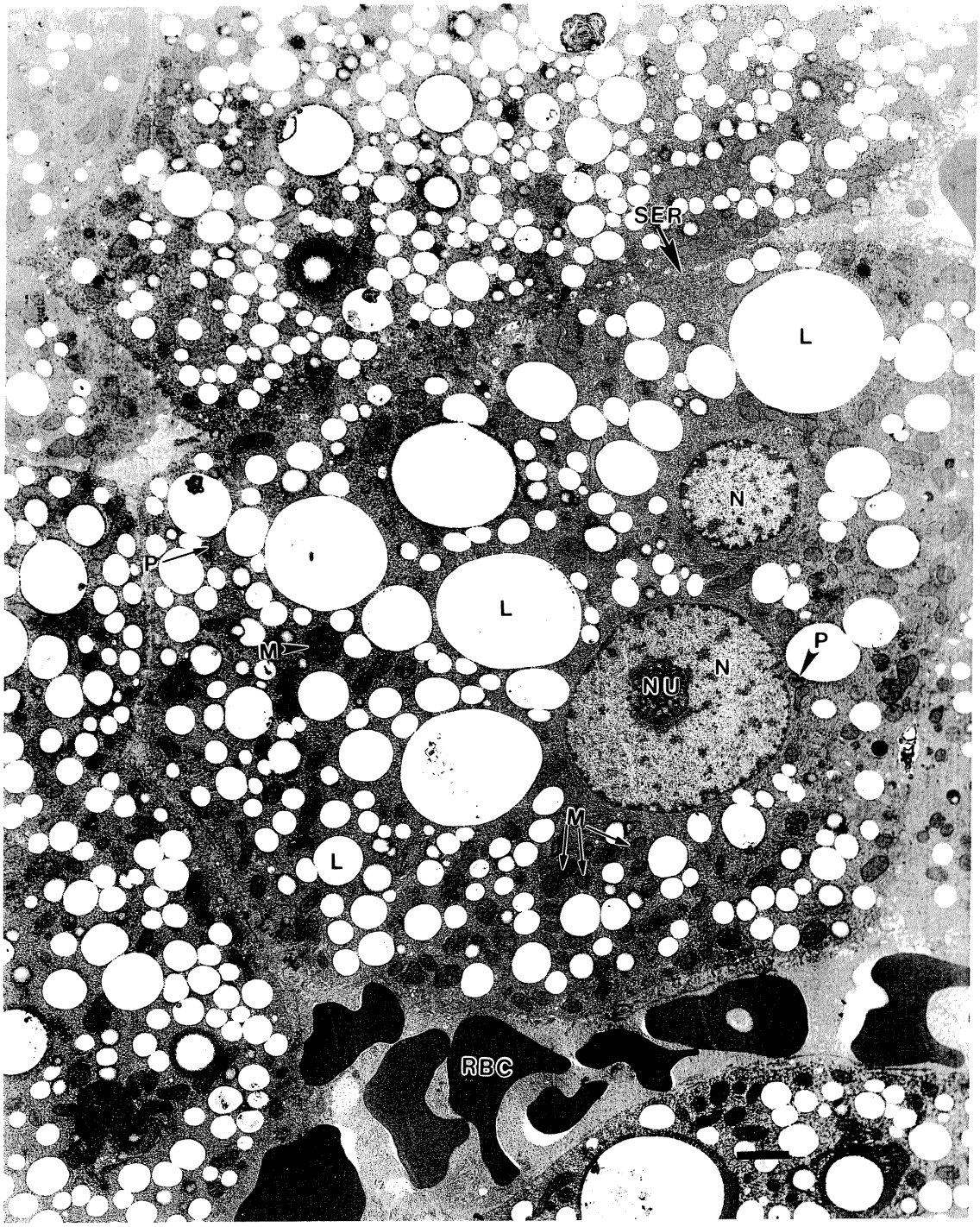
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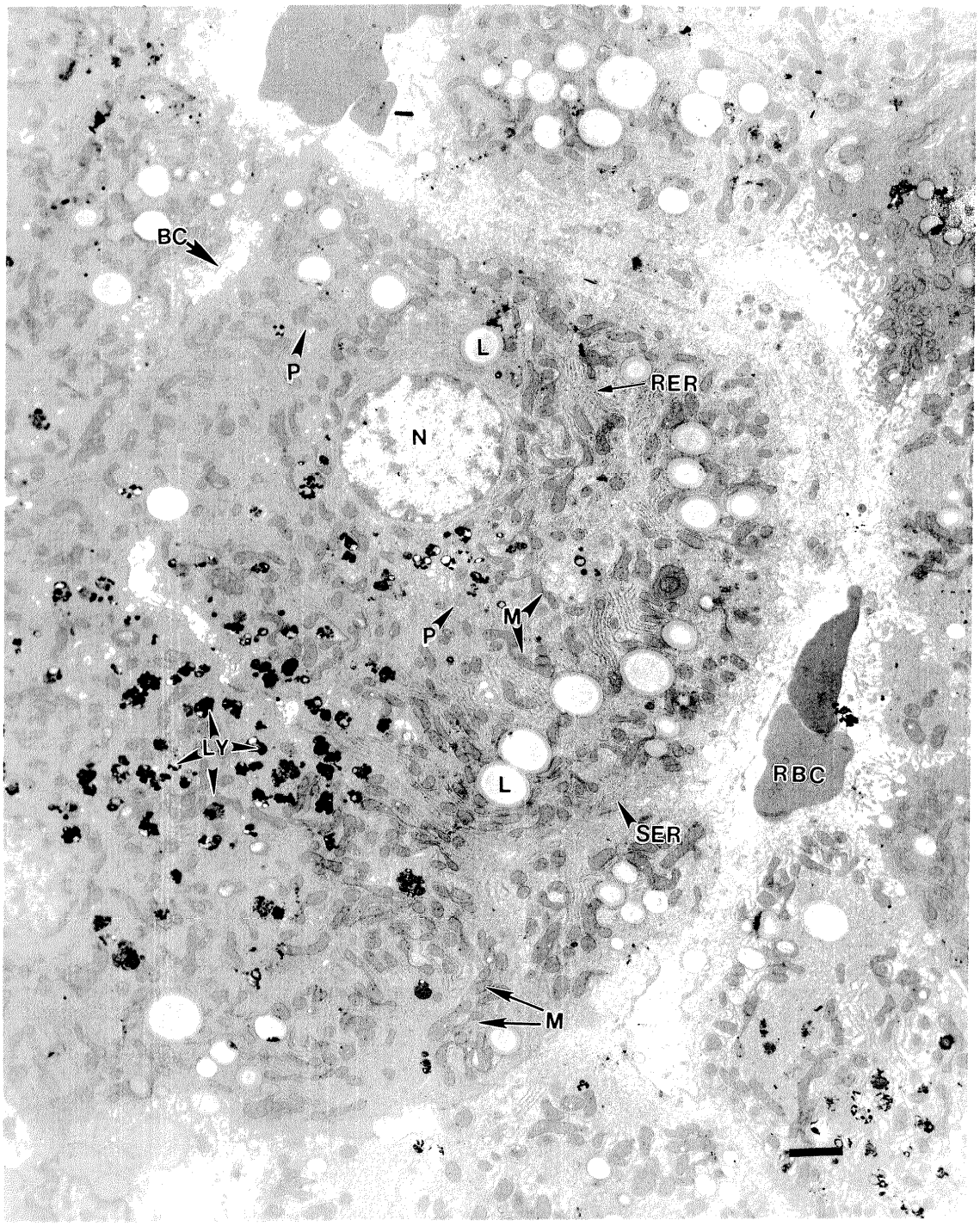
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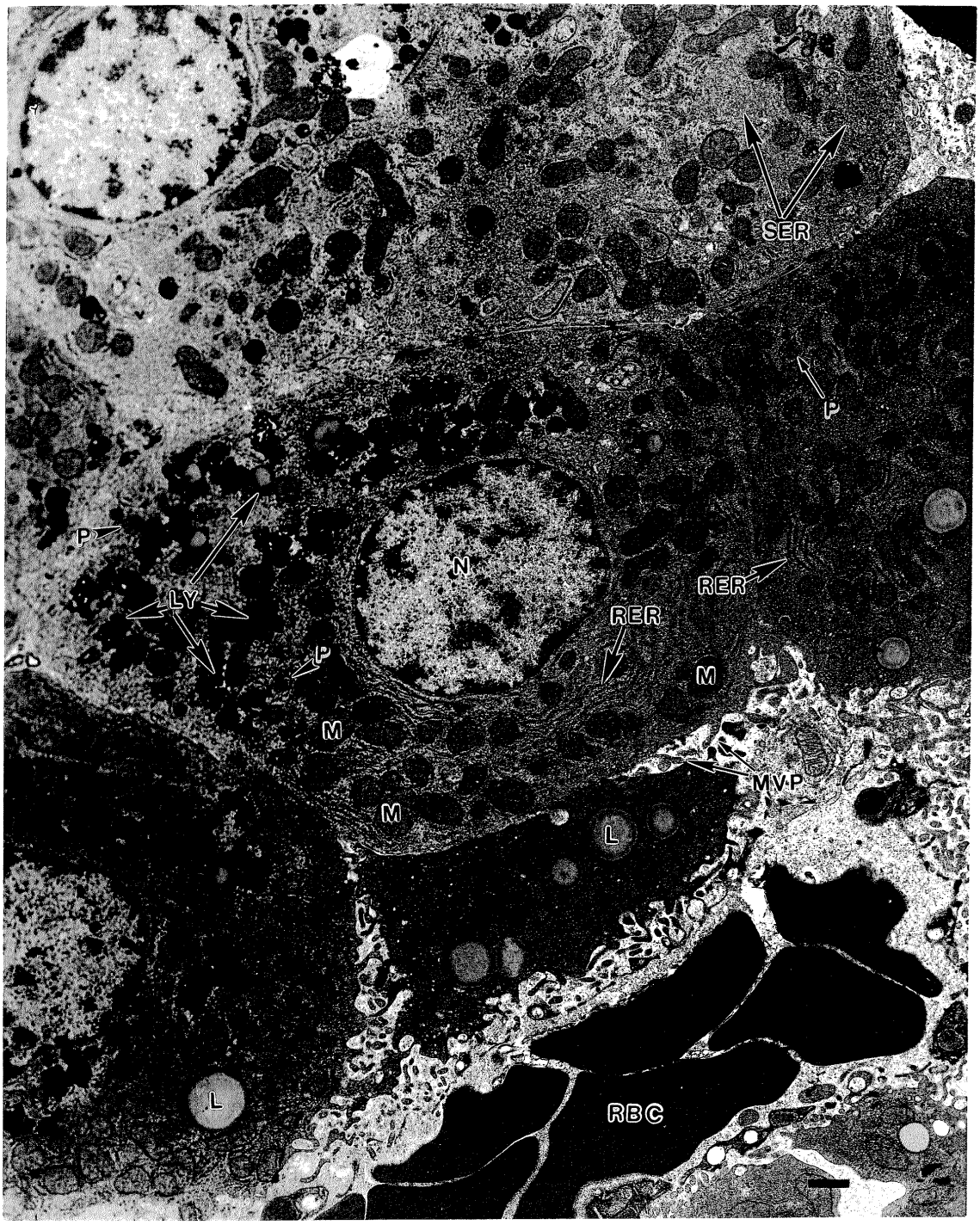
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FIGURE LABELS FOR ULTRASTRUCTURAL STRUCTURES

Abbreviations	Structure
BC	Bile canaliculus
E	Endothelial cell
L	Lipid droplet
LY	Lysosome
M	Mitochondria
MVP	Microvillous projection
N	Nucleus
NU	Nucleolus
P	Peroxisomes
RBC	Erythrocyte
RER	Rough endoplasmic reticulum
SER	Smooth endoplasmic reticulum

SECTION IV

QUALITY ASSURANCE STATEMENT

PATHOLOGY ASSOCIATES
A CHARLES RIVER COMPANY

QUALITY ASSURANCE STATEMENT

The histopathology portion of this study has been inspected and audited by the Quality Assurance Unit of Pathology Associates International, as required by the Good Laboratory Practice regulations promulgated by the U.S. Food and Drug Administration. PAI has a functioning and responsive quality assurance unit which reports directly to management. The following is a record of inspections/audits and their resulting reports:

Date of Inspection	Phase Inspected	Date Findings Reported to Management and Project Manager
03/14/01	Darkroom Procedures	03/14/01
03/31/01	Audit of Data and Draft Report	03/31/01
11/15/01	Audit of Amended Final Report	11/15/01

Jeanne deWard, B.S., RQAP-GLP
Quality Assurance Officer

11/15/01
Date

Sponsor: Covance Laboratories

Study Title: 104 Week Dietary Carcinogenicity Study with Narrow Range (98.1%) N-Ethyl Perfluorooctanesulfonamido Ethanol in Rats

Study Number: 6329-212

4915 D Prospectus Drive, Durham, North Carolina 27713
Phone: (919) 544-5257 Fax: (919) 544-3218

COVANCE
THE DEVELOPMENT SERVICES COMPANY

Sponsor:

3M
St. Paul, Minnesota

FINAL REPORT

Study Title:

104-Week Dietary Carcinogenicity Study with Narrow Range (98.1%) N-Ethyl Perfluorooctanesulfonamido Ethanol in Rats

Author:

Peter J. Thomford, PhD

Study Completion Date:

December 13, 2001

Testing Facility:

Covance Laboratories Inc.
3301 Kinsman Boulevard
Madison, Wisconsin 53704-2595

Laboratory Study Identification:

Covance 6329-212

Sponsor Study Identification:

3M T-6316.1

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APPENDIX 9

Covance 6329-228

COVANCE
THE DEVELOPMENT SERVICES COMPANY

Sponsor:

3M
St. Paul, Minnesota

FINAL REPORT

Study Title:

104-Week Dietary Carcinogenicity Study with Narrow Range (98.1%) N-Ethyl Perfluorooctanesulfonamido Ethanol in Rats

Author:

Peter J. Thomford, PhD

Study Completion Date:

December 13, 2001

Testing Facility:

Covance Laboratories Inc.
3301 Kinsman Boulevard
Madison, Wisconsin 53704-2595

Laboratory Study Identification:

Covance 6329-228

Sponsor Study Identification:

3M T-6316.1

COMPLIANCE STATEMENT

104-Week Dietary Carcinogenicity Study with Narrow Range (98.1%) N-Ethyl Perfluorooctanesulfonamido Ethanol in Rats

All aspects of this study were in accordance with the Food and Drug Administration Good Laboratory Practice Regulations as set forth in Title 21 of the Unites States Code of Federal Regulations, Part 58, issued December 22, 1978 (effective June 20, 1979), and with any applicable amendments.

Peter J. Thomford, PhD
Study Director
Covance Laboratories Inc.

13 Dec. 2001
Date

QUALITY ASSURANCE STATEMENT

This report, with the exception of Appendix 6, has been reviewed by the Quality Assurance Unit of Covance Laboratories Inc., in accordance with the Food and Drug Administration (FDA) Good Laboratory Practice Regulations, 21 CFR 58. The following inspections were conducted and findings reported to the study director and study director management.

Inspection Dates		Phase	Date Reported to Study Director and Study Director Management
From	To		
01 Apr 98	01 May 98	Protocol Review	01 Apr 98
28 Apr 98	28 Apr 98	Sample Collection	28 Apr 98
11 May 98	11 May 98	Body Weights	11 May 98
20 Jul 98	20 Jul 98	Animal Observations	20 Jul 98
12 Oct98	12 Oct 98	Test Article Administration	12 Oct 98
04 Jan 99	04 Jan 99	Food Consumption	04 Jan 99
03 May 99	03 May 99	Body Weights	03 May 99
02 Jun 99	02 Jun 99	Protocol Amendment Review	04 Jun 99
26 Jul 99	26 Jul 99	Body Weights	26 Jul 99
09 Nov 99	08 Nov 99	Food Consumption	08 Nov 99
26 Apr 00	26 Apr 00	Postlife	26 Apr 00
11 May 00	16 May 00	Data Review	19 May 00
25 Apr 00	24 May 00	Data Review	24 May 00
25 Apr 00	01 Jun 00	Data Review	01 Jun 00
25 Jul 00	11 Aug 00	Report Review	11 Aug 00
11 Aug 00	11 Aug 00	Protocol Amendment Review	11 Aug 00
11 Aug 00	11 Aug 00	Protocol Amendment Review	11 Aug 00
11 Aug 00	11 Aug 00	Protocol Amendment Review	11 Aug 00
30 Apr 01	01 May 01	Report Review	03 May 01
13 Nov 01	13 Nov 01	Protocol Amendment Review	13 Nov 01
13 Nov 01	13 Nov 01	Protocol Amendment Review	13 Nov 01

Representative
Quality Assurance Unit

13 Dec 01
Date

STUDY IDENTIFICATION

104-Week Dietary Carcinogenicity Study with Narrow Range (98.1%) N-Ethyl Perfluorooctanesulfonamido Ethanol in Rats

Test Material:	Narrow Range (98.1%) N-Ethyl Perfluorooctanesulfonamido Ethanol
Sponsor:	3M Toxicology Services Building 220-2E-02, 3M Center St. Paul, Minnesota 55144-1000
Study Monitor:	Andrew M. Seacat, PhD 3M 651.575.3161
Alternate Study Monitor:	John Butenhoff, PhD, DABT 3M 651.733.1962
Study Location:	Covance Laboratories Inc. 3301 Kinsman Boulevard Madison, Wisconsin 53704-2595
Study Director:	Peter J. Thomford, PhD Covance Laboratories Inc. PO Box 7545 Madison, Wisconsin 53707-7545 608.241.7207
Study Timetable:	
Study Initiation Date:	April 1, 1998
Inlife Start Date:	April 6, 1998
Inlife End Date:	April 4, 2000
Study Completion Date:	December 13, 2001

KEY PERSONNEL

104-Week Dietary Carcinogenicity Study with Narrow Range (98.1%) N-Ethyl Perfluorooctanesulfonamido Ethanol in Rats

Study Director:	Peter J. Thomford, PhD
Study Toxicologist:	Thomas E. Ryan, BS
Study Coordinator:	Cindy L. Powers, BS
Supervisor, Small-Animal Toxicology:	Jeni Barman, AAS, ALAT, LAT
Supervisor, Dose Formulation:	Dixie Bushee, BS, LATG
Supervisor, Chemistry/Tox Support:	Mark Hoffmann, BS, MBA
Associate Director, Laboratory Animal Medicine:	Donna J. Clemons, DVM Diplomate, ACLAM
Clinical Pathologist:	Robert L. Hall, DVM, PhD Diplomate, ACVP (Clinical Pathology)
Supervisor, Clinical Pathology:	Ronald Markevitch, BS, MT (ASCP)
Anatomic Pathologist:	James L. Carter, DVM, PhD Diplomate, ACVP
Supervisor, Anatomic Pathology:	Kimberly W. Durland, BS, HT
Supervisor, Anatomic Pathology:	Laurie J. Schuller, BA, LAT
Senior Staff Scientist:	Cynthia Y.C. Liu, MA
Biostatistician:	Ajit K. Thakur, PhD
Principal Investigator, Cell Proliferation	Carolyn Moyer, DVM Diplomate, ACVP Pathology Associates International

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ABSTRACT

The purpose of this study was to assess the carcinogenicity of the test material, N-Ethyl Perfluorooctanesulfonamido Ethanol (N-EtFOSE), when administered in the diet to rats for at least 104 weeks. This study was a supplementary study for Covance 6329-212.

Male and female Crl:CD®(SD)IGS BR rats were assigned to two groups (70 animals/sex/group). Group 8 received the control diet and Group 9 received diet containing 1 ppm N-EtFOSE.1.

Food was provided *ad libitum*, except when animals were fasted. Water was provided *ad libitum*. The animals were observed twice daily (a.m. and p.m.) for mortality and moribundity. At least once each week, each animal was removed from its cage and examined for abnormalities and signs of toxicity. Body weight data were collected weekly through Week 17, once every 4 weeks thereafter, and at Week 105. Food consumption data were collected weekly for the first 16 weeks and once every 4 weeks thereafter. Blood and urine samples were collected for hematology, coagulation, clinical chemistry, urinalysis, and urine chemistry tests at specified time points. Blood was also collected to provide serum for possible future analysis. During Weeks 4, 14, 53, and 105, selected animals were anesthetized, weighed, exsanguinated, and necropsied (Weeks 53 and 105). Additional liver samples were also collected for hepatocellular proliferation (Week 14) and biochemical analyses from five animals/sex/group (Weeks 4 and 14). Liver sections from five animals/sex/group from Group 9 were stained with Oil Red "O" and examined microscopically. At necropsy, macroscopic observations were recorded, selected organs were weighed (Week 53), and selected tissues were collected and preserved. Animals that died on test or were sacrificed at unscheduled intervals were also necropsied, but organ weights were not recorded. Microscopic examinations were done on tissues from each animal in Groups 8, and any animals that died on test or were sacrificed at unscheduled intervals. Lesions, liver, lungs, kidneys, pancreas, thyroid, testes, and mammary glands (females) from each animal in Group 9 were examined microscopically.

Test material consumption ranged from 0.029 to 0.108 mg/kg/day for Group 9.

Thirty-nine control males and 37 control females and 30 males and 35 females given 1 ppm died on test or were sacrificed in a moribund condition. There were no significant

differences in the mortality in both males and females. Kaplan-Meier estimates indicate there was no treatment-related detrimental effect on the survival of either sex.

Male and female Crl:CD®(SD)IGS BR rats were administered 0 or 1 ppm of (98.1%) N-Ethyl Perfluorooctanesulfonamido Ethanol for at least 104 weeks. There were no test material-related effects on clinical observations, body weights, food consumption, clinical pathology results, organ weights, macroscopic or microscopic findings.

PURPOSE

The purpose of this study was to assess the carcinogenicity of the test material, N-Ethyl Perfluorooctanesulfonamido Ethanol (N-EtFOSE), when administered in the diet to rats for at least 104 weeks. This study was a supplementary study for Covance 6329-212.

REGULATORY COMPLIANCE

All aspects of this study were conducted in compliance with the Food and Drug Administration Good Laboratory Practice Regulations as set forth in Title 21 of the United States Code of Federal Regulations, Part 58, issued December 22, 1978 (effective June 20, 1979), and with any applicable amendments.

The protocol was reviewed and approved by the Institutional Animal Care and Use Committee at Covance.

TEST MATERIAL, VEHICLE, AND CARRIER

Test Material

The test material, T-6316 (narrow range N-ethyl perfluorooctanesulfonamido ethanol, N-EtFOSE), a blend of Lot Nos. 30035, 30037, and 30039, is a waxy solid and is 98.1% N-EtFOSE (w/w) (see Protocol Deviations for exceptions). It was received at Covance on June 20 and July 21, 1997.

To avoid repeated heating and sublimation, the two shipments of test material were heated, combined, and predetermined quantities of test material were aliquoted into polyethylene (LDPE) containers. The test material was stored at room temperature.

Information on synthesis methods, stability, composition, or other characteristics that define the test material was provided by the Sponsor and is on file with Covance.

Vehicle

The vehicle was acetone (Spectrum Chemical Mfg. Corp., New Brunswick, New Jersey and Gardena, California), Lot Nos. LW0044 (99.96% pure), LH0253 (99.8% pure), and NS0231 (99.8% pure). The shipments were received at Covance on April 9 and June 23, 1997, and September 8, 1998, respectively. The vehicle was stored at room temperature.

Information on synthesis methods, purity, composition, or other characteristics that define the acetone is on file with the manufacturer.

Carrier

Certified rodent diet (#5002 meal, LabDiet® by Purina Mills, Inc.) was used as supplied. The lot numbers are recorded in the data. The diet is routinely analyzed by the manufacturer for nutritional components and environmental contaminants.

Reserve (Archive) Samples

A reserve sample (5 g) of the test material was taken and stored at room temperature. This sample will be transferred to the Sponsor after completion of the inlife phase.

Disposition

Remaining test material was returned to the Sponsor on August 8, 2000.

TEST ANIMALS AND HUSBANDRY

Animals

Male and female Crl:CD®(SD)IGS BR rats were obtained from the Raleigh, North Carolina, facility of Charles River Laboratories on March 24, 1998. At initiation of treatment, the animals were 38 to 44 days old; the males weighed from 163 to 240 g, and the females weighed from 126 to 179 g.

Identification
Each animal was assigned a temporary number upon arrival. Before initiation of treatment, a microchip identification device was implanted into each animal. After randomization for placement on test, each animal was assigned a permanent number, and the microchip was coded with the permanent number. All data for an animal are recorded under these numbers.

Justification
Historically, rats have been used in safety evaluation studies and are recommended by appropriate regulatory agencies.

Husbandry
Animal Rooms 3045 and 335 were used for this study. Environmental controls for the animal room were set to maintain 18 to 26°C, a relative humidity of 30 to 70%, a 12-hour light/12-hour dark cycle, and a minimum of 10 room air changes/hour. Variations from these conditions are documented in the data and are considered to have had no effect on the outcome of the study.

The animals were housed individually (except for the first 6 days of acclimation when animals were group-housed) in stainless-steel cages. Some animals were placed in polycarbonate cages during the study when health problems dictated.

Certified rodent diet (#5002 meal, LabDiet® by Purina Mills, Inc.) was provided *ad libitum* during acclimation.

Water was provided *ad libitum*. Samples of the water are analyzed for specified microorganisms and environmental contaminants. The results are on file with Covance-Madison.

There were no known contaminants in the diet or water at levels that would have interfered with this study.

Animals not selected for the study (15 males and 15 females) were used for training procedures. Two extra males and one extra female were received and also used for training procedures.

Acclimation

One hundred fifty-seven males and 156 females were received on March 24, 1998, and acclimated in Animal Rooms 320 and 3045 for 13 days before initiation of treatment (animals were transferred to Animal Room 3045 on April 3, 1998). In general, animals in this shipment appeared healthy. During acclimation, the animals were examined for abnormalities indicative of health problems and body weights were recorded for all animals at randomization.

PROCEDURES

This study was conducted in accordance with the Protocol dated April 1, 1998, and Protocol Amendment Nos. 1 through 6. Protocol deviations are in Appendix 1.

Group Designations and Dose Levels

The animals used for this study were examined by a laboratory animal veterinarian on April 3, 1998, and found to be suitable for study consideration. Selection of animals for the study was based on acclimation data. Animals were assigned to treatment groups using a computerized blocking procedure designed to achieve body weight balance with respect to treatment group. At the time of randomization, the weight variation of the animals did not exceed ± 2 standard deviations of the mean body weight for each sex. Group mean body weights were analyzed using Levene's test for homogeneity of variance at the 5.0% probability level and found to be homogeneous. Animals were assigned to the study according to the following design.

Group[a]	No. of Animals		Dietary Levels (ppm N-EtFOSE)[b]
	Male	Female	
8 (Control)[c,d,e]	70	70	0
9 (Treated)[d,e]	70	70	1

a Groups were designated as Groups 8 and 9. This study was placed in the same animal room as Covance 6329-212.
b N-EtFOSE is 98.1% n-ethyl perfluorooctanesulfonamido ethanol (N-EtFOSE); dose levels are expressed as ppm of N-EtFOSE.
c The control animals received the control diet (basal diet with acetone).
d Five animals/sex/group were sacrificed during Weeks 4 and 14 for hepatocellular proliferation rate measurements and biochemical analyses (palmitoyl-CoA oxidation).
e Ten animals/sex/group were designated as interim sacrifice animals and were sacrificed after at least 52 weeks of treatment.

Dosing Procedures

Dose Preparation. Dietary concentrations were based on the test material as supplied. Diets were prepared at least once every 4 weeks.

Preparation of Diet for Group 8. The appropriate amount of certified diet was weighed and mixed with an appropriate volume of acetone.

Preparation of Stock and Base Diet. Diets were prepared in conjunction with Covance 6329-212. A stock preparation was made using the required amount of test material dissolved in the required volume of acetone. For the 300-ppm base diet, a premix consisting of a portion of the certified diet with the required amount of the stock preparation was mixed using a Hobart® mixer. The premix was transferred to a mixer with additional certified diet and mixed thoroughly.

Diet for Group 9. For the 1-ppm diet, a premix consisting of a portion of the certified diet, the required amount of the prepared base diet, and the required volume of acetone was mixed and then transferred to a mixer with additional certified diet and mixed thoroughly.

Samples for dose analyses were taken directly from the mixing bowl.

The diets were stored at room temperature in covered containers until dispensed into feeding jars.

Method of Administration. Dietary admixture was used because the potential route of exposure in humans is oral.

The dose preparations were administered *ad libitum*. Animals received the test diet for at least 104 weeks, as appropriate(see Protocol Deviations for exceptions).

Retention Samples. Samples (approximately 100 g) were taken from each dose preparation, during the inlife phase, and stored at room temperature. Unless used for analyses, retention samples from the treated groups were discarded at least 1 month after completion of the inlife phase. Samples from the control diets prepared for Weeks 1 through 14 were shipped to the Sponsor.

Dose Analysis

Analyses for the concentration of test material in the dose preparations were done by Covance using an analytical method, MP-M312-MA, validated by Covance.

Homogeneity was determined for the 1-ppm diet mixed for Week 1. One sample (approximately 100 g each) from the top, middle, and bottom of the diet was collected, divided into three subsamples for extraction and analysis, and analyzed for test material content. All samples were stored at room temperature until analyzed.

To establish stability, two additional samples (approximately 100 g each) were taken from the 1-ppm diet mixed for Week 1. The middle homogeneity sample was analyzed on the day of mixing and served as the stability time zero sample. One sample was stored at room temperature for 21 days, then analyzed. The other sample was stored at room temperature for 32 days, then analyzed. Stability analyses were also conducted on another mix (June 5, 1998). The routine sample from that mix served as the time zero sample. Samples were stored at room temperature for 32 days or 46 days at room temperature, then analyzed.

Samples (approximately 100 g each) were collected from all dose preparations and analyzed in duplicate. The homogeneity sample collected from the middle of the dose

preparation for Week 1 was used for dose confirmation results. All samples were stored at room temperature until analyzed.

Observation of Animals

Clinical Observations. The animals were observed twice daily (a.m. and p.m.) for mortality and moribundity (see Protocol Deviations for exceptions). Once prior to treatment and weekly thereafter, each animal was removed from its cage and examined; abnormal findings or an indication of normal were recorded. In addition, the time of onset, location, size, appearance, and progression of each grossly visible or palpable mass were recorded.

Body Weights. Individual body weight data were recorded on Day -3 (randomization), weekly for Weeks 1 through 17 (see Protocol Deviations for exceptions), once every 4 weeks thereafter, and at Week 105.

Food Consumption. Individual food consumption data were recorded weekly for Weeks 1 through 16 (see Protocol Deviations for exceptions) and once every 4 weeks thereafter (see Protocol Deviations for exceptions).

Clinical Pathology

Blood and urine samples were collected from 10 animals/sex/group during Weeks 14, 27, and 53. Blood films were made and held for possible future examination from animals sacrificed at unscheduled intervals and from animals at scheduled sacrifice after at least 104 weeks of treatment.

Animals were fasted overnight, and urine was collected chilled for approximately 16 hours before blood sampling; water was provided *ad libitum*. Blood was collected from a jugular vein. The anticoagulant was potassium EDTA for the hematology tests. Samples for clinical chemistry and serum samples were collected without an anticoagulant. Animals were bled in random order. The following were evaluated.

Hematology

- red blood cell (erythrocyte) count
- hemoglobin
- hematocrit
- mean corpuscular volume
- mean corpuscular hemoglobin
- mean corpuscular hemoglobin concentration
- platelet count
- white blood cell (leukocyte) count
- differential blood cell count
  - segmented neutrophil count
  - lymphocyte count
  - monocyte count
  - eosinophil count
  - basophil count
- blood cell morphology

Reticulocyte smears were made and held for possible future examination.

Clinical Chemistry

- glucose
- urea nitrogen
- creatinine
- total protein
- albumin
- globulin
- cholesterol
- total bilirubin
- alanine aminotransferase
- gamma glutamyltransferase
- aspartate aminotransferase
- calcium
- inorganic phosphorus
- sodium
- potassium
- chloride

Urinalysis

- appearance
- volume
- specific gravity
- pH
- protein
- urobilogen
- glucose
- ketones
- bilirubin
- blood
- microscopic examination of sediment

Urine Chemistry

- sodium
- potassium
- 16-hour excretion of:
  - sodium
  - potassium

Serum Analyses

Blood (approximately 2 mL at the Weeks 4 and 14 sacrifices and approximately 3 mL at the Week 53 and 105 sacrifices) was collected. Samples were collected from five animals/sex/group during Weeks 4 and 14 (animals selected for hepatocellular

proliferation and biochemical analyses); five animals/sex/group (from animals selected for interim sacrifice) after at least 52 weeks of treatment; and 10 animals/sex/group at terminal sacrifice.

Animals were fasted overnight and blood was collected without an anticoagulant from a jugular vein. Blood samples were allowed to clot at room temperature, then centrifuged. Serum samples were harvested and stored in a freezer set to maintain -60 to -80°C. Samples were shipped on dry ice to the Sponsor for possible future analyses.

Anatomic Pathology

Necropsy. A necropsy was done on each animal that died or was sacrificed at an unscheduled interval. Animals were sacrificed with carbon dioxide, weighed, and exsanguinated.

During Week 4, five animals/sex/group were fasted overnight, bled for serum samples, anesthetized with carbon dioxide, weighed, and exsanguinated. The liver was removed and weighed. Additional liver samples were stored in a freezer, set to maintain -60 to -80°C, and sent to the Sponsor for possible future analysis.

During Week 14, five animals/sex/group were fasted overnight, bled for serum samples, anesthetized with carbon dioxide, weighed, and exsanguinated. The liver was removed and weighed. Additional liver samples were stored in a freezer, set to maintain -60 to -80°C, and shipped to the Sponsor for possible future analysis.

After at least 52 weeks of treatment, 10 animals/sex/group were fasted overnight, bled for clinical pathology (all animals) and serum samples (five animals/sex/group), anesthetized with carbon dioxide, weighed, exsanguinated, and necropsied. Additional liver samples (five animals/sex/group) were stored in a freezer, set to maintain -60 to -80°C, and shipped to the Sponsor for possible future analysis.

After 104 weeks of treatment, the remaining animals were fasted overnight, bled for serum samples (10 animals/sex/group), anesthetized with carbon dioxide, weighed, exsanguinated, and necropsied. Liver samples from 10 animals/sex/group were stored in a freezer, set to maintain -60 to -80°C, and shipped to the Sponsor for possible future analysis.

The necropsy included a macroscopic examination of the external features of the carcass; external body orifices; the abdominal, thoracic, and cranial cavities; organs; and tissues.

Proliferation Cell Nuclear Antigen Evaluation

At the Week 14 collection, representative samples of left lateral lobe of the liver and macroscopic lesions of the liver were collected and preserved in zinc formalin. After fixation, each sample of the liver was embedded in paraffin, and the paraffin blocks were shipped to Pathology Associates International. Proliferation cell nuclear antigen (PCNA) evaluation were done on the samples. In addition, sections of the left lateral lobe of the liver were stained with hematoxylin and eosin and examined microscopically.

Palmitoyl-CoA Oxidase Tissue Collection and Analyses

At the Week 4 and 14 sacrifices, sample (approximately 500 mg) of the right lateral lobe of the liver was also collected from each animal and flash-frozen in liquid nitrogen (see Protocol Deviations for exceptions). The liver tissue was stored in a freezer, set to maintain -60 to -80°C, until analyzed for palmitoyl-CoA oxidase activity.

Organ Weights. At the interim sacrifice during Week 53, the following organs were weighed (see Protocol Deviations for exceptions); paired organs were weighed separately.

adrenal (2)	ovary (2)
brain	spleen
kidney (2)	testis (2)
liver	thyroid (2) with parathyroid
lung	uterus with cervix

Organ-to-body weight percentages and organ-to-brain weight ratios were calculated.

Tissue Preservation. The following tissues were collected and preserved in 10% neutral-buffered formalin (see Protocol Deviations for exceptions).

adrenal (2)
brain
cecum
cervix
colon
duodenum
epididymis (2)
esophagus
eye (2)
femur with bone marrow (articular surface of the distal end)
Harderian gland
heart
ileum
jejunum
kidney (2)
lesions
liver
lung with mainstem bronchi
lymph node (mesenteric)
mammary gland (females only)
ovary (2)
pancreas
pituitary
prostate
rectum
salivary gland [mandibular (2)]
sciatic nerve
seminal vesicle (2)
skeletal muscle (thigh)
skin
spinal cord (cervical, thoracic, and lumbar)
spleen
sternum with bone marrow
stomach
testis (2)
thymus
thyroid (2) with parathyroid
trachea
urinary bladder
uterus
vagina

Bone marrow smears from the femur of each animal at the Week 53 and terminal sacrifices were prepared, stained with Wright's stain, and retained for possible examination.

Histopathology. Tissues (as appropriate) were embedded in paraffin, sectioned, stained with hematoxylin and eosin, and examined microscopically (see Protocol Deviations for exceptions) from each animal in Group 8 sacrificed at the terminal sacrifice and any animals that died on test or were sacrificed at unscheduled intervals.

Lesions, liver, lungs, kidneys, pancreas, thyroid, testes, and mammary glands (females) from each animal in Group 9 were embedded in parafilm, sectioned, stained with hematoxylin and eosin, and examined microscopically. Parathyroids were processed with the thyroids but were not examined.

A pathology peer review was conducted by a pathologist designated by the sponsor. Results are reported in Covance 6329-212.

Liver sections from five animals/sex/group from Group 9 were stained with Oil Red "O" and examined microscopically.

Statistical Evaluation

Levene's test (Levene, 1960) was done to test for variance homogeneity. In the case of heterogeneity of variance at $p \leq 0.05$, transformations were used to stabilize the variance. Comparison tests took variance heterogeneity into consideration.

One-way analysis of variance [ANOVA (Winer, 1971)] was used to analyze initial body weights, body weight changes, food consumption, continuous clinical pathology values, and organ weight data.

ANOVA was done on the homogeneous or transformed data. If the ANOVA was significant, student's t-test was used for pairwise comparisons between treated and control groups.

Group comparisons (Group 9 versus Group 8) were evaluated at the 5.0%, two-tailed probability level. Only data collected on or after the first day of treatment were analyzed statistically.

Survival and Tumor Analysis

Survival was analyzed using life table techniques consisting of Kaplan-Meier product limit estimates, Cox-Tarone binary regression, and Gehan-Breslow nonparametric methods (Thomas, Breslow, and Gart, 1977). Cox-Tarone methods are weighted heavier towards late incidences and Gehan-Breslow methods are weighted towards early incidences due to treatment. As a result, they are both valuable tools for the incidence data with onset times. Week 105 was treated as the end of the study (EOS) in the NCI package for both sexes. The Weeks 4, 14 and 53 interim sacrifices animals and Week 105 terminal sacrifice animals were censored in the analysis. Continuity corrected two-sided tail probability was evaluated at the 5% significance level for comparing the Control vs. Treated group.

Nonneoplastic Lesions. Nonneoplastic lesions were chosen for statistical analyses if the incidence rate in the treated group was increased or decreased by at least two occurrences

over the control group. These were analyzed by one-sided Fisher-Irwin exact test at 5% significance level (Thakur, Berry, and Mielke, 1985).

Neoplastic Lesions. Neoplastic lesions were chosen for statistical analyses if the incidence rate in the treated group was increased or decreased by at least two occurrences over the control. The incidental tumors (i.e., tumors that were not assigned to be the cause of death of the animals by the study pathologist) were analyzed by logistic regression of tumor prevalence (Dinse and Lagakos, 1983). In this approach, tumor prevalence was modeled as a logistic function of dose and time. Both linear and quadratic terms in time were incorporated initially, and the quadratic term was eliminated if there was lack of convergence. Further, in the cases where there was lack of convergence for the asymptotic test of the logistic regression method, the exact probability of the test was obtained by using LogXact-Turbo (1993). The fatal and palpable (superficial) tumors were analyzed by Cox-Tarone binary regression method as in the case of survival, using the death time or the first palpation time (if applicable) as the tumor onset time.

The benign and malignant neoplastic incidences were evaluated separately, as well as combined, where appropriate. The criteria for combination were based on the work of McConnell et al. (1986). The incidences of multiple-organ findings such as fibroma, fibrosarcoma, leiomyoma, leiomyosarcoma, lymphoma, and endometrial stromal polyp were counted by animal, not by tissue type. They were evaluated statistically if they met the selection criterion for the analysis. The statistical results for these cases may be biased because not all the animals were examined for every tissue. One-sided tail probabilities for group comparison was evaluated at the 5% significance level.

In the nonneoplastic and neoplastic lesions, early sacrificed animals during or before Week 14 in both groups were excluded from the denominators. Ordinal dose levels 0, and 1 corresponding to Groups 8 (Control), and 9 (Treated) were used in the above statistical analysis. Continuity correction was done for all the asymptotic tests. The following notations are used throughout this report.

\+ = Effect in the increased direction
\- = Effect in the decreased direction
E = Exact permutation test

Record Retention

The raw data, documentation, records, specimens, protocol, and final report generated as a result of this study will be archived in the storage facilities of Covance-Madison. At least 1 year after submission of the final report, the Covance Archives staff will contact the Sponsor. At that time, the Sponsor may choose to have the aforementioned materials returned, archived for an additional period of time, or disposed of by Covance; a fee will be charged based on the archive disposition option selected by the Sponsor. Raw data stored on magnetic media and the protocol, study correspondence, and the original final report will be retained by Covance. At least 1 year after submission of the final report, any frozen samples will be returned to the Sponsor, retained by Covance, or disposed of, and a fee will be charged. Data generated by the Sponsor will be archived in the Sponsor's storage facilities. PCNA evaluation data, paraffin blocks, and tissue slides for PCNA will be retained by Pathology Associates International. Frozen liver samples and serum samples sent to the Sponsor will be retained by the Sponsor.

RESULTS AND DISCUSSION

Dose Analysis

Results of the homogeneity, stability, and dose preparation analyses are in Tables 1 through 3.

Mean values of the homogeneity analyses for the mix done on March 30, 1998, ranged from 91.3 to 106% of the theoretical concentration for the diet containing 1 ppm N-EtFOSE. These results indicate that the mixing procedure produced a homogeneous distribution of the test material in the dose preparation.

Results of the stability analyses for the mix conducted on June 5, 1998, of samples stored 32 days at room temperature conditions indicated that a mean concentration was 81.8% of the theoretical concentration of 1 ppm. Results of stability analyses for the mix conducted on June 5, 1998, of samples stored at room temperature for 46 days indicated that the mean concentration was 98.1% of the theoretical concentration of 1 ppm.

The mean concentrations of the dose preparation analyses for the 1-ppm level ranged from 74.3 to 120% of the theoretical concentration (including reassay and retention sample analyses, but excluding data that required reanalysis). Inherent variability and

lack of sufficient sensitivity at low levels in the analytical method for measuring N-EtFOSE resulted in analyses data that were in many cases outside the standardly acceptable limits of ±15%.

Observation of Animals

Survival and Clinical Observations. Clinical observations including mass observations are summarized in Tables 5 and 6; individual data are in Appendix 2. Survival data are illustrated in Figures 1 and 2 and summarized in Table 4. Statistical analyses of survival data are presented in the report of survival analysis. Individual animal fate data are in Appendix 2.

Thirty-nine control males and 37 control females and 30 males and 35 females given 1 ppm died on test or were sacrificed in a moribund condition. The most frequent cause of death was pituitary adenomas. There were no significant differences in the mortality in both males and females. Kaplan-Meier estimates indicate there was no treatment-related detrimental effect on the survival of either sex.

Clinical observations were similar in nature and in the total number of affected animals in all groups.

Body Weights. Body weight and body weight change data are illustrated in Figures 3 and 4 and summarized in Tables 7 and 8; individual body weight data are in Appendix 3.

There were no test material-related effects on body weights or body weight changes during the study.

Food Consumption. Food consumption data are illustrated in Figures 5 and 6 and summarized in Table 9; individual data are in Appendix 4.

There were no test material-related effects on food consumption during the study.

Test Material Consumption. Test material consumption data are summarized in Table 10. Individual test material consumption data are presented in Appendix 4.

Test material consumption ranged from 0.029 to 0.108 mg/kg/day for Group 9.

Clinical Pathology

Hematology, coagulation, clinical chemistry, urinalysis, and urine chemistry data are summarized in Tables 11 through 23 individual data are in Appendix 5. The Pathology Report contains a discussion of the data.

Dietary administration of N-EtFOSE at 1 ppm for approximately 52 weeks had no effects on clinical pathology test results.

Anatomic Pathology

Organ weight data are summarized in Tables 24 through 26; incidences of macroscopic and microscopic observations are summarized in Tables 27 through 36; the incidence of severity of selected microscopic observations is summarized in Tables 37 through 40. Individual data are in Appendix 6. The Pathology Report contains a discussion of the data.

There were no test material-related changes for terminal body weights, absolute organ weights, organ-to-body weight percentages or organ-to-brain weight ratios for any of the sacrifices.

The incidence of mortality was similar for treated and control animals, and there were no test material-related macroscopic or microscopic findings at any of the study intervals.

Proliferation Cell Nuclear Antigen Results

The cell proliferation report is in Appendix 7.

After 14 weeks on study, enhanced cell proliferation was not evident in the liver of male and female rats exposed to 1 ppm N-EtFOSE.

CONCLUSION

Male and female Crl:CD®(SD)IGS BR rats were administered 0 or 1 ppm of (98.1%) N-Ethyl Perfluorooctanesulfonamido Ethanol for at least 104 weeks. There were no test material-related effects on mortality, clinical observations, body weights, food consumption, clinical pathology results, organ weights, macroscopic or microscopic findings.

SIGNATURES

Cindy Powers — 13 December 2001

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Date

Peter J. Thomford — 13 Dec. 2001

Peter J. Thomford, PhD
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Date

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PATHOLOGY REPORT

SUMMARY

The purpose of this study was to assess the carcinogenicity of the test material, N-Ethyl Perfluorooctanesulfonamido Ethanol (N-EtFOSE) when administered in the diet to rats for at least 104 weeks. The test material was administered at a dose level of 1 ppm.

Dietary administration of N-EtFOSE at 1 ppm for approximately 52 weeks had no effects on clinical pathology test results.

There were no test material-related changes for terminal body weights, absolute organ weights, organ-to-body weight percentages or organ-to-brain weight ratios for any of the sacrifices.

The incidence of mortality was similar for treated and control animals, and there were no test material-related macroscopic or microscopic findings at any of the study intervals.

METHODS

Two groups of male and female Crl:CD®(SD)IGS BR rats (70 animals/sex/group) were fed diets containing the test material at a dose level of 0 (control group; received basal diet only) or 1 ppm. These groups were designated as Groups 8 and 9, respectively, and the animals were located in the same animal room as Covance Study No. 6329-212.

During Weeks 14, 27, and 53, blood and urine were collected for hematology, clinical chemistry, urinalysis, and urine chemistry tests from 10 animals/sex/group. Blood films were made for all animals sacrificed at unscheduled intervals and at the terminal sacrifice during Week 105.

Necropsies were performed on all animals that died or were sacrificed due to poor health, 10 animals/sex/group sacrificed during Week 53, and all remaining surviving animals during Week 105. At necropsy, macroscopic observations were recorded, organ weights were obtained (for sacrifices during Week 53), and tissues were placed in fixative as

specified by the protocol. All tissues from animals in Group 8 and selected tissues from animals in Group 9 were examined microscopically.

Five animals/sex/group were sacrificed during Week 4 for hepatic palmitoyl-CoA oxidase activity and during Week 14 for hepatocellular proliferation rate measurements and hepatic palmitoyl-CoA oxidase activity.

Statistically significant differences cited in the Results and Discussion section are based on comparisons between the control and treated groups.

RESULTS AND DISCUSSION

Mortality

The incidence of mortality during the study was similar for treated and control animals. Thirty-nine control males and 37 control females, and 30 males and 35 females given 1 ppm died on test or were sacrificed in moribund condition.

Clinical Pathology

Weeks 4 and 14 (hepatic palmitoyl-CoA oxidase activity). Administration of the test material had no effect on hepatic palmitoyl-CoA oxidase activity.

Weeks 14, 27, and 53. There were several small, but statistically significant, differences for clinical pathology results between the control and treated animals. None of these small differences were consistent over time or between sexes, and all were considered to be incidental and unrelated to administration of the test material.

Anatomic Pathology/All Animals

Macroscopic Findings. The most frequently observed findings at necropsy were, thin animals, ocular discharge, ventral compression of the brain, pituitary masses, and dark foci in the stomach. Other frequent incidental macroscopic findings for males were perineal/perianal staining, rough surface of the kidneys, and dark foci in the stomach. Frequently observed findings for females were mammary masses, ovarian cyst, ocular discharge, and nasal discharge.

Microscopic Findings/Neoplastic Findings. The most frequently observed neoplasm was pituitary adenoma. Islet cell adenomas of the pancreas were frequently present for males, and c-cell adenomas of the thyroid and mammary adenomas, fibroadenomas and carcinomas were frequently present for females. Other tumors were only present in a few animals.

Microscopic Findings/Nonneoplastic Findings. The most frequently observed nonneoplastic findings were proteinaceous casts in the kidneys, chronic progressive nephropathy, hepatocellular vacuolation, ventral compression and ventricular dilatation of the brain, degeneration/necrosis of the heart, and pituitary hemorrhage. Frequent microscopic nonneoplastic findings for males were chronic inflammation of the liver, acinar atrophy of the pancreas, fibrosis of the heart, vacuolation of the adrenal cortex, chronic active inflammation of the prostate, and acute inflammation of the footpad. Other frequently observed nonneoplastic microscopic findings for females were pelvic mineralization of the kidneys, ultimobranchial cysts of the thyroid, galactocele, cysts of the thymus, and angiectasis, cystic degeneration, and hemorrhage and thrombi of the adrenal cortex.

Anatomic Pathology/Unscheduled Deaths

There was no test material-related effect for mortality. The only causes of death observed in three or more animals were hepatocellular adenoma, histiocytic sarcoma, and pituitary adenoma for males, and mammary carcinoma, mammary fibroadenoma, and pituitary adenoma for females. By far the most frequent cause of death was pituitary adenomas. The cause of death was undetermined for 11 males and 2 females.

Macroscopic Findings. There were no test material-related macroscopic findings.

Microscopic Findings. There were no test material-related microscopic findings for the unscheduled death animals.

Anatomic Pathology/Week 4 Sacrifice

Organ Weights. There were no test material-related changes for terminal body weights or absolute or relative liver weights.

Macroscopic Findings. There were no macroscopic findings present at necropsy.

Anatomic Pathology/Week 14 Sacrifice

Organ Weights. There were no test material-related changes for terminal body weights or absolute or relative liver weights.

Macroscopic Findings. There were no macroscopic findings present at necropsy.

Anatomic Pathology/Week 53 Sacrifice

Organ Weights. There were no test material-related changes for terminal body weights or absolute or relative liver weights.

Macroscopic Findings. There were no test material-related macroscopic findings.

Microscopic Findings. There were no test material-related microscopic findings. The microscopic findings observed at the 53-week sacrifice were typical of those observed as spontaneous findings in rats.

Anatomic Pathology/Terminal Sacrifice

Macroscopic Findings. There were no test material-related macroscopic findings.

Microscopic Findings. There were no test material-related microscopic findings for the terminal sacrifice animals.

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Date

STATISTICAL REPORT OF SURVIVAL, NONNEOPLASTIC, AND NEOPLASTIC LESIONS

Methods

Survival was analyzed using life table techniques consisting of Kaplan-Meier product limit estimates, Cox-Tarone binary regression, and Gehan-Breslow nonparametric methods (Thomas, Breslow, and Gart, 1977). Cox-Tarone methods are weighted heavier towards late incidences and Gehan-Breslow methods are weighted towards early incidences due to treatment. As a result, they are both valuable tools for the incidence data with onset times. Week 105 was treated as the end of the study (EOS) in the National Cancer Institute package for both sexes. The Weeks 4, 14, and 53 interim sacrifices animals and Week 105 terminal sacrifice animals were censored in the analysis. Continuity corrected two-sided tail probability was evaluated at the 5.0% significance level for comparing the Control vs. Treated groups, as reported in Text Tables 1 and 2. Kaplan-Meier product limit survival curves are presented in Figures 1 and 2 for the males and females, respectively.

Nonneoplastic Lesions. Nonneoplastic lesions were chosen for statistical analyses if the incidence rate in the treated group was increased or decreased by at least two occurrences over the control group. These were analyzed by one-sided Fisher-Irwin exact test at 5.0% significance level (Thakur, Berry, and Mielke, 1985), and the results are reported in Text Tables 3 and 4 for the males and females, respectively.

Neoplastic Lesions. Neoplastic lesions were chosen for statistical analyses if the incidence rate in the treated group was increased or decreased by at least two occurrences over the control. The incidental tumors (i.e., tumors that were not assigned to be the cause of death of the animals by the study pathologist) were analyzed by logistic regression of tumor prevalence (Dinse and Lagakos, 1983). In this approach, tumor prevalence was modeled as a logistic function of dose and time. Both linear and quadratic terms in time were incorporated initially, and the quadratic term was eliminated if there was lack of convergence. Further, in the cases where there was lack of convergence for the asymptotic test of the logistic regression method, the exact probability of the test was obtained by using LogXact-Turbo (1993). The fatal and palpable (superficial) tumors were analyzed by Cox-Tarone binary regression method, as in the case of survival, using the death time or the first palpation time (if applicable) as the tumor onset time.

The benign and malignant neoplastic incidences were evaluated separately as well as combined where appropriate. The criteria for combination were based on the work of McConnell et al. (1986). The incidences of multiple-organ findings such as fibroma, fibrosarcoma, leiomyoma, leiomyosarcoma, lymphoma, and endometrial stromal polyp were counted by animal, not by tissue type. They were evaluated statistically if they met the selection criterion for the analysis. The statistical results for these cases may be biased because not all the animals were examined for every tissue. One-sided tail probabilities for group comparison were evaluated at the 5.0% significance level and are shown in Text Tables 5 and 6 for the males and females, respectively.

In the nonneoplastic analyses, animals sacrificed early (Week 4) were excluded. In the statistical evaluation of the neoplastic lesions, animals sacrificed early (during or before Week 14) were discounted from the number of animals at risk. Ordinal dose levels 0 and 1 corresponding to Groups 8 (Control) and 9 (Treated) were used in the above statistical analysis. Continuity correction was done for all the asymptotic tests. The following notations are used throughout this report.

+ = Effect in the increased direction
- = Effect in the decreased direction
E = Exact permutation test

Results and Discussion

Survival. As indicated by the Kaplan-Meier adjusted survival curves (Figures 1 and 2) and by Text Tables 1 and 2, there was no significant difference in mortality in either the males or females.

Nonneoplastic Lesions. The liver in both sexes has been identified as the only organ that is appropriate for performing statistical analyses for nonneoplastic lesions.

As shown in Text Tables 3 and 4, no significant differences were noted in any of the hepatocellular nonneoplastic lesions in either sex.

Neoplastic Lesions. As indicated in Text Tables 5 and 6, there were no significant incidences of any neoplastic findings in either sex.

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Text Table 1

Results of Statistical Analyses of Survival Data for Male Rats

Group	8 (Control)	9 (Treated)
Unadjusted Mortality	39/70	30/70
	(.557)	(.429)
Adjusted Mortality:		
Kaplan-Meier Estimate (Final)	.778	.597
Standard Error	.059	.069

	Cox-Tarone Test	Gehan-Breslow Test
Groups 8 vs 9 p (two-sided)	.0818 -	.1426 -

- = Effect in the decreased direction.

Text Table 2
Results of Statistical Analyses of Survival Data for Female Rats

Group	8 (Control)	9 (Treated)
Unadjusted Mortality	37/70	35/70
	(.529)	(.500)
Adjusted Mortality:		
Kaplan-Meier Estimate (Final)	.736	.698
Standard Error	.063	.065

	Cox-Tarone Test	Gehan-Breslow Test
Groups 8 vs 9 p (two-sided)	.4492 -	.2491 -

- = Effect in the decreased direction.

Text Table 3

Results of Statistical Analyses of Nonneoplastic Lesions in the Males

Group	8 (Control)	9 (Treated)
LIVER - HEMORRHAGE		
	5/65	2/65
One-sided p-value		.22005 -
LIVER - INFLAMMATION, CHRONIC		
	17/65	15/65
One-sided p-value		.41946 -
LIVER - VACUOLATION, HEPATOCELLULAR		
	14/65	10/65
One-sided p-value		.24915 -
LIVER - DEGENERATION, CYSTIC		
	5/65	9/65
One-sided p-value		.19845 +
LIVER - FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC		
	4/65	9/65
One-sided p-value		.12081 +
LIVER - CYST		
	2/65	0/65
One-sided p-value		.24806 -

Text Table 4

Results of Statistical Analyses of Nonneoplastic Lesions in the Females

Group	8 (Control)	9 (Treated)
LIVER - CYST, BILIARY		
	2/65	0/65
One-sided p-value		.24806 -
LIVER - INFLAMMATION, CHRONIC		
	8/65	6/65
One-sided p-value		.38915 -
LIVER - VACUOLATION, HEPATOCELLULAR		
	14/65	8/65
One-sided p-value		.12091 -
LIVER - HYPERPLASIA BILE DUCT		
	5/65	7/65
One-sided p-value		.38163 +
LIVER - FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC		
	1/65	3/65
One-sided p-value		.30956 +
LIVER - FOCUS, ALTERED HEPATOCELLULAR, EOSINPHILIC		
	3/65	7/65
One-sided p-value		.16203 +
LIVER - TELANGIECTASIS		
	5/65	2/65
One-sided p-value		.22005 -

Text Table 5

Results of Statistical Analyses of Neoplastic Lesions in the Male Rats

Group	8 (Control)	9 (Treated)
Pancreas - Islet Cell, Adenoma		
Fatal Incidence	0	0
Incidental Incidence	4	11
Total Incidence Rate	4/60	11/60
One-sided p-value		.0825 +
Testis - Interstitial Cell, Adenoma		
Fatal Incidence	0	0
Incidental Incidence	0	3
Total Incidence Rate	0/60	3/55
One-sided p-value		.2536 +(E)

Text Table 6

Results of Statistical Analyses of Neoplastic Lesions in the Female Rats

Group	8 (Control)	9 (Treated)
Pancreas - Islet Cell, Adenoma		
Fatal Incidence	0	0
Incidental Incidence	4	1
Total Incidence Rate	4/59	1/60
One-sided p-value		.1200 -
Mammary - Adenoma		
Total Incidence Rate	5/60	2/60
One-sided p-value		.1791 -
Mammary - Fibroadenoma		
Total Incidence Rate	21/60	22/60
Note: Incidences across groups do not meet the selection criterion.		
Mammary - Adenoma/Fibroadenoma		
Total Incidence Rate	25/60	23/60
One-sided p-value		.1929 -
Mammary - Carcinoma		
Total Incidence Rate	9/60	9/60
Note: Incidences across groups do not meet the selection criterion.		
Mammary - Adenoma/Fibroadenoma/Carcinoma		
Total Incidence Rate	29/60	27/60
One-sided p-value		.1877 -

Figure 1 - Kaplan-Meier Survival Curves For Male Rats

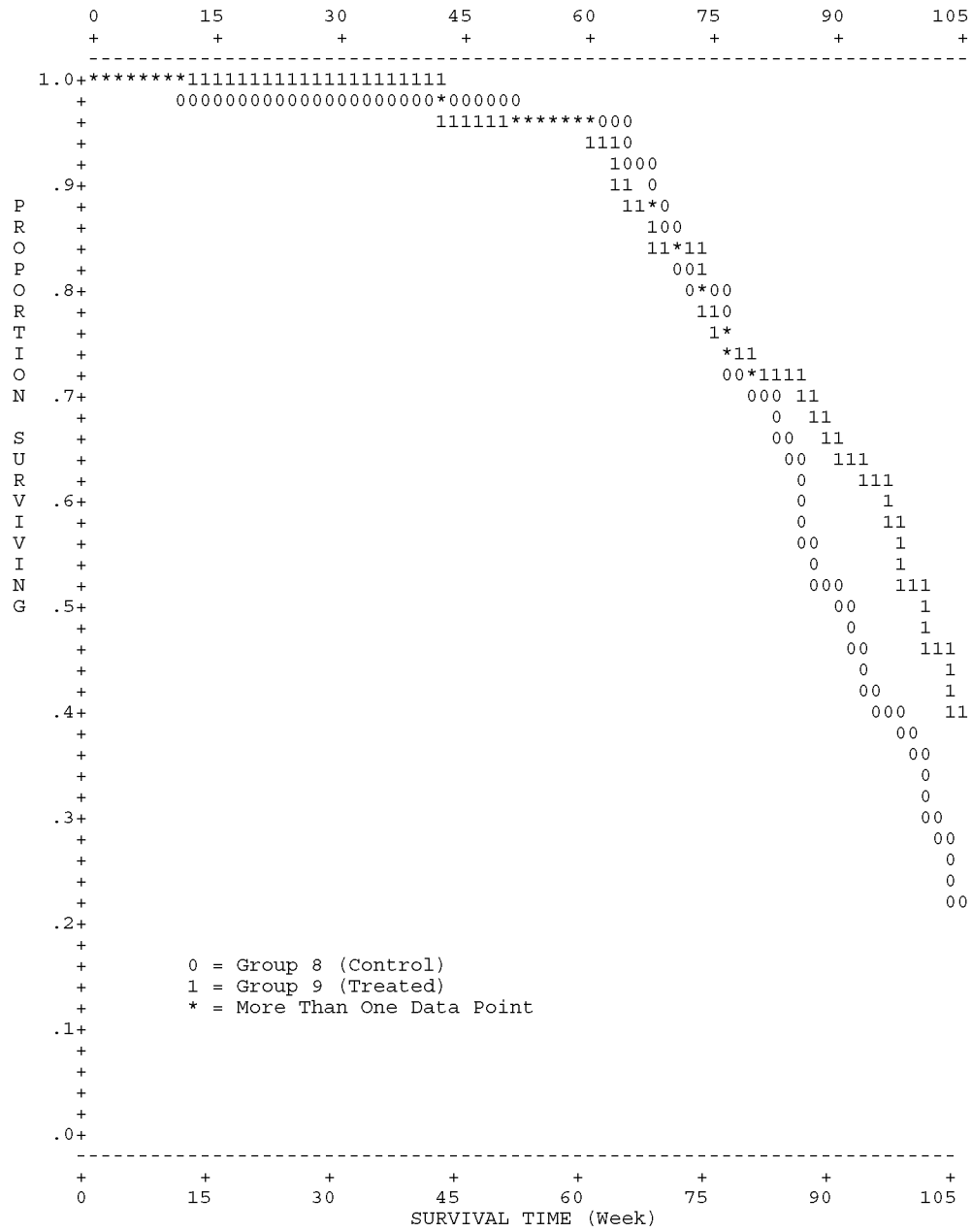
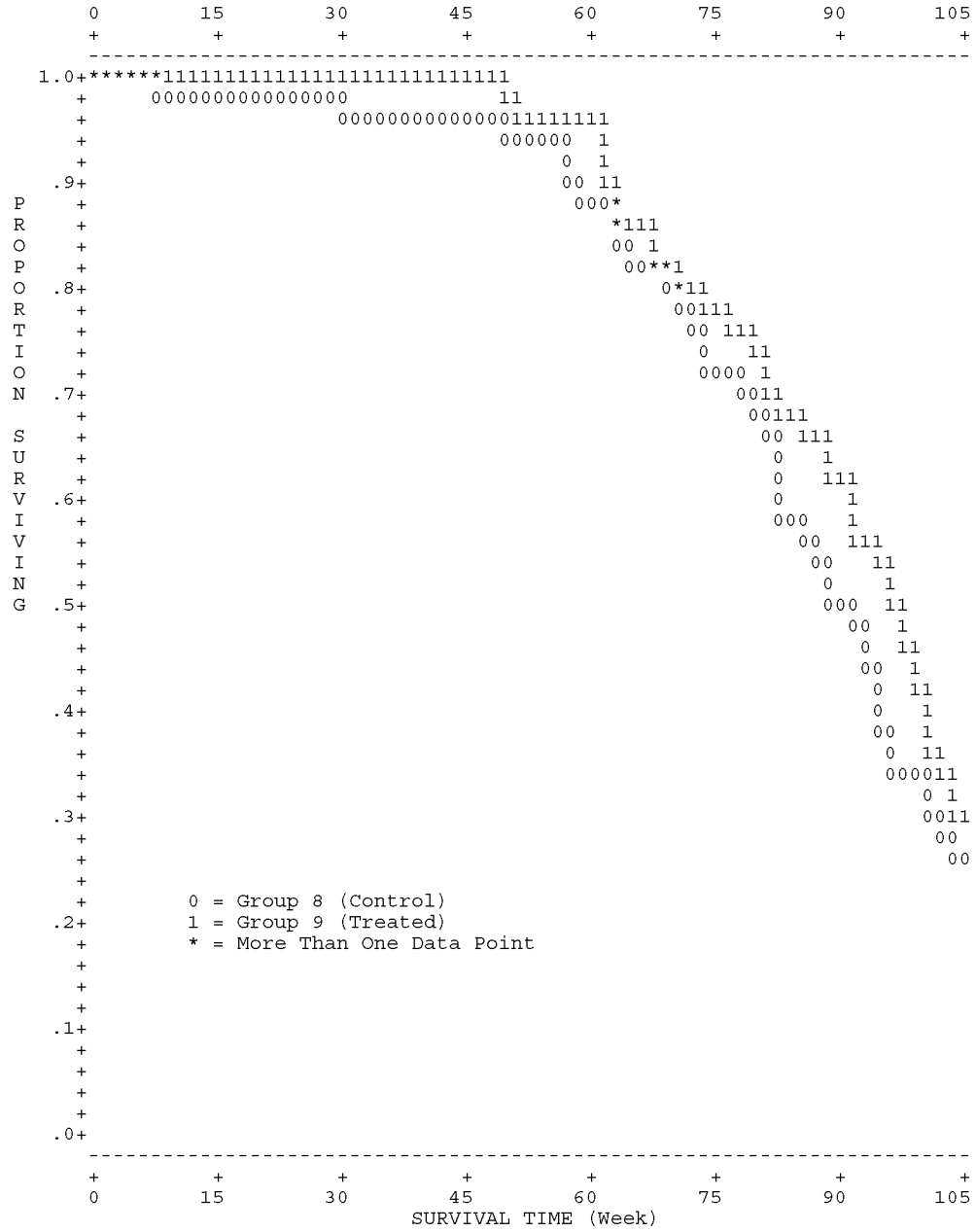


Figure 2 - Kaplan-Meier Survival Curves For Female Rats



COMMENTS ON THE DATA

Various models of calculators, computers, and computer programs were used to analyze data in this study. Because different models round off or truncate numbers differently, values in some tables (e.g., means, standard deviations, or individual values) may differ slightly from those in other tables, from individually calculated data, or from statistical analysis data. Neither the integrity nor the interpretation of the data was affected by these differences.

The units for the dose levels in the inlife summary tables are ppm.

The number of animals listed in the heading of the summary tables for clinical and mass observations reflects the number of animals assigned to each group at the start of the study.

The summary tables for clinical observations indicates the number of animals for which a condition was observed without regard to the reversibility, number of incidences/animal, or the length of time the condition persisted.

Only observations for each animal other than normal are indicated in the summary clinical observations tables.

Each animal with observations recorded as "Normal" throughout the study has the comment "No remarkable observations" indicated in the individual clinical observations tables.

The specific details for comments in the individual clinical observations tables that are indicated with a "C" can be found at the end of each group for each sex.

Food consumption values are reported in whole numbers; however, the data collection system carries food consumption values to one place to the right of the decimal for test material consumption calculations. The differences in values generated do not influence the interpretation of the calculation.

The comment "SPILLED" in individual food consumption data tables indicates that food consumption was not recorded due to spillage during the interval.

The comment "NOT TAKEN" in individual food consumption data tables indicates that the animal died before the end of the food consumption interval.

Differences in the population size (N) in the summary tables for clinical and anatomic pathology are explained in the individual data tables or the codes sheets or in the Protocol Deviations section.

COMMENTS ON THE DATA (Continued)

Results of clinical pathology samples collected for animals sacrificed at unscheduled intervals appear in the individual clinical pathology tables for the next scheduled interval. These results are not in the summary tables and are not included in the statistical analyses.

Statistical analyses were not done when there were two or fewer values for a parameter.

The calculation for individual test material consumption is:

Test material consumption =

$$\frac{\text{Diet Concentration} \times \text{Food Consumption}}{\text{Food Consumption Interval} \times [\text{First Body Weight of Interval} + (\text{Daily Body Weight Gain} \times \text{Day Factor})]}$$

where: Daily Body Weight Gain =

$$\frac{\text{Last Body Weight of Interval} - \text{First Body Weight of Interval}}{\text{Day of Last Body Weight of Interval} - \text{Day of First Body Weight of Interval}}$$

and: Day Factor =

$$(\text{Food Consumption Start Day} - \text{Day of First Body Weight of Interval}) + \frac{\text{Food Consumption Interval}}{2}$$

and: Food Consumption Interval =

$$\text{Food Consumption End Day} - \text{Food Consumption Start Day}$$

CODES, ABBREVIATIONS, AND UNITS

General Codes and Abbreviations
Codes for Clinical Pathology
Abbreviations and Units for Clinical Hematology
Abbreviations and Units for Clinical Chemistry
Abbreviations and Units for Clinical Urinalysis
Abbreviations and Units for Urine Chemistry
Codes for Anatomic Pathology

Note: The following lists of codes, abbreviations, and units are used by Covance. Some, but not necessarily all, of this information may be needed for this report.

General Codes and Abbreviations

WK	Week
N	Number of measurements in a group
Mean; MEAN	Arithmetic mean
CAM	Covariate-adjusted mean
SD; S.D.; STAND DEV; STANDARD DEV; sd	Standard deviation
*	Group mean is significantly different from the mean of the control group (Group 1) at $p \leq 0.05$
-; NA	No value; not applicable; not present
P	Present
C	Comment found at the end of each group for each sex
UNSCHED	Unscheduled
DISPATCH	Observations transferred from the inlife module of the data collection system to the necropsy module for reference during necropsy. Observations are duplicates of the last inlife observations.

Animal Death Codes

1	Interim sacrifice, Week 4
2	Interim sacrifice, Week 14
3	Interim sacrifice, Week 52
T	Terminal sacrifice
D	Found dead
M	Moribund

Codes for Clinical Pathology

GENERAL CODES

NS	No sample
QS/QNS	Quantity not sufficient
NR	No repeat (sample volume not sufficient for repeat analysis)
FS	Fibrin strands
SC	Sample clotted
SH	Slightly hemolyzed
H	Hemolyzed
SL	Slightly lipemic
L	Lipemic
SI	Slightly icteric
I	Icteric
NF	Animal not fasted
U	Unscheduled/moribund bleed
DT/DOT	Animal died on test
DB	Died during bleeding
TJ	Technician judgment to repeat test
TE	Technical error (instrument or technician error that results in unacceptable data, e.g., unacceptable instrument output, sample spilled, entry of invalid data)
RE	Recording error (recorded incorrect data, e.g., wrong number, spelling error, incorrect date)
EE	Entry error (incorrect keyboard entry)
SE	Sampling error
PC	Platelets clumped
PD	Platelets decreased
PI	Platelets increased
PL	Platelets large
PA	Platelets appear adequate
CO	Color interferes with test
HB	Heinz bodies observed
PLASMO	Plasmodium
NO AGG	No aggregation
FR	Fractious
UTD	Unable to determine
NO COAG	No coagulation

Codes for Clinical Pathology (Continued)

RESULTS NOT INCLUDED IN STATISTICAL ANALYSES

Hemolyzed clinical chemistry or coagulation samples
Samples from animals at unscheduled intervals
Prothrombin times (PT) greater than 50 seconds
Activated partial thromboplastin times (PTT) greater than 110 seconds
Bleed times (BLETIME) greater than 30 minutes

CODES FOR BLOOD CELL MORPHOLOGY

The following scale was used to measure the degree of anisocytosis (ANISO), poikilocytosis (POIK), polychromasia (POLY), hypochromasia (HYPO), or basophilic stippling (BASTIP) or the presence of Howell-Jolly bodies (HJBODY), toxic neutrophils (TOXNEUT), or atypical lymphocytes (ATYPLYM).

Scale	Degree	Presence
-	Normal for the species	Not present
1	Slight	Rare
2	Moderate	Few
3	Marked	Moderate
4	Not applicable	Many

URINE APPEARANCE

Color						Clarity		Miscellaneous	
A	Pale	E	Amber	I	Black	J	Clear	M	Debris
B	Straw	F	Brown	P	Blue/green	K	Hazy	O	Feces
C	Yellow	G	Red	Q	Blue	L	Cloudy		
D	Dark yellow	H	Green	R	Orange				

Codes for Clinical Pathology (Continued)

URINE CHEMISTRY MULTISTIX® STRIP

Urine Glucose		Urine Ketone		Urine Blood	
-	Negative	-	Negative	-	Negative
+	100 mg/dL	+	5 mg/dL	+	Small
++	250 mg/dL	++	15 mg/dL	++	Moderate
+++	500 mg/dL	+++	40 mg/dL	+++	Large
++++	1,000 mg/dL	++++	80 mg/dL		
+++++	≥2,000 mg/dL	+++++	160 mg/dL		

Urine Urobilinogen		Urine Bilirubin	
-	0.2 mg/dL	-	Negative
+	1 mg/dL	+	Small
++	2 mg/dL	++	Moderate
+++	4 mg/dL	+++	Large
++++	8 mg/dL		

(1 mg = approximately 1 Ehrlich unit)

URINE SEDIMENT

Cells, Crystals, Casts, and Comments				Bacteria	
A	Amorphous urates	Q	Sperm	0	Not present
B	Amorphous phosphates	R	Fecal contamination	1	Few
C	Uric acid	S	Pinworm ova found	2	Moderate
D	Triple phosphates	T	Pinworm larvae found	3	Many
E	Calcium oxalate	U	Parasite ova found		
F	Calcium carbonate				
G	Granular casts				
H	Hyaline casts	0	Not present		
I	Cellular casts	1	1 - 5 per field		
J	Waxy casts	2	6 - 10 per field		
K	Unknown crystal	3	11 - 20 per field		
P	Mucous threads	4	>20 per field		

Abbreviations and Units for Clinical Hematology

Test	Abbreviation (Units)
Red blood cell count	RBC (E6/UL or $X10^6/\mu L$)
Hemoglobin	HGB (G/DL)
Hematocrit	HCT (%)
Mean corpuscular volume	MCV (FL)
Mean corpuscular hemoglobin	MCH (PG)
Mean corpuscular hemoglobin concentration	MCHC (%)
Platelet count	PLT (E3/UL or $X10^3/\mu L$)
White blood cell count	WBC (E3/UL or $X10^3/\mu L$)
Differential blood cell count	
Segmented neutrophil count	N-SEG (E3/UL or $X10^3/\mu L$) and %
Lymphocyte count	LYMPH (E3/UL or $X10^3/\mu L$) and %
Monocyte count	MONO (E3/UL or $X10^3/\mu L$) and %
Eosinophil count	EOSIN (E3/UL or $X10^3/\mu L$) and %
Basophil count	BASO (E3/UL or $X10^3/\mu L$) and %
Anisocytosis	ANISO (-,1,2,3)
Polychromasia	POLY (-,1,2,3)
Poikilocytosis	POIK (-,1,2,3)
Hypochromasia	HYPO (-,1, 2,3)
Toxic neutrophils	TOXNEUT (-,1,2,3,4)

Abbreviations and Units for Clinical Chemistry

Test	Abbreviation (Units)
Glucose	GLU (MG/DL)
Urea nitrogen	UN (MG/DL)
Creatinine	CREAT (MG/DL)
Total protein	T PRO (G/DL)
Albumin	ALB (G/DL)
Globulin	GLOB (G/DL)
Total bilirubin	T BILI (MG/DL)
Cholesterol	CHOL (MG/DL)
Triglyceride	TRIG (MG/DL)
Aspartate aminotransferase	AST/SGOT (IU/L)
Alanine aminotransferase	ALT/SGPT (IU/L)
Gamma glutamyltransferase	GGT (IU/L)
Palmitoyl CoA oxidase	PCOAO (IU/G)
Calcium	CA (MG/DL)
Inorganic phosphorus	I PHOS (MG/DL)
Sodium	NA (MMOL/L)
Potassium	K (MMOL/L)
Chloride	CL (MMOL/L)

Abbreviations and Units for Clinical Urinalysis

Test	Abbreviation (Units)
Urine volume	U VOL (ML)
Specific gravity	SP GR
Urine chemistry Multistix® strip	
Urine pH	U PH
Urine protein	U PRO (MG/DL)
Urine glucose	U GLU
Urine ketones	U KET
Urine bilirubin	U BILI
Urine blood	U BLOOD
Urine urobilinogen	UROBILI
Microscopic examination of urine sediment	
Red blood cells per high-power field	RBC (PER HPF)
White blood cells per high-power field	WBC (PER HPF)
Epithelial cells per high-power field	EPITH (PER HPF)
Bacteria per high-power field	BACT (PER HPF)
Casts per low-power field	CASTS (PER LPF)
Crystals per low-power field	CRYSTALS (PER LPF1 or PER LPF2)
Urine appearance	URINE APP1 or URINE APP2
Comments	COMMENTS

Abbreviations and Units for Urine Chemistry

Test	Abbreviation (Units)
Urine sodium	U NA (MMOL/L)
Urine potassium	U K (MMOL/L)
Sodium excretion	NA EXC (MMOL)
Potassium excretion	K EXC (MMOL)

Codes for Anatomic Pathology

Code	Definition

MACROSCOPIC CODES

EX	Indicates that organ weight is excluded from calculations
NOT TAKEN	Organ weight not taken; explanation given in necropsy notes
MISSING	Organ missing or lost
UNSUITABLE	Organ technically unsuitable for weighing
AUTOLYTIC	Organ autolyzed and could not be weighed
EXCLUDE	Weight was taken, but was excluded from all calculations

MICROSCOPIC CODES

Codes Prefacing Neoplastic Findings

B-	Primary, benign neoplasm
M-	Primary, malignant neoplasm
N-	Metastatic neoplasm
I-	Locally invasive neoplasm
X-	Other neoplasm

Distribution of Findings

Focal
Diffuse
Multifocal

Grades for Severity or Amount

1	Minimal - the least amount of change that can be observed with the light microscope
2	Slight - less than average amount of change, but readily discernible as abnormal
3	Moderate - the average amount of change that is expected for a lesion
4	Moderately severe (marked) - a marked amount of change with possible loss of function of the affected cells or organs
5	Severe - a great amount of change with probable loss of function of the affected cell or organs and frequently involves large areas of the organ

Codes for Anatomic Pathology (Continued)

Other Microscopic Codes

TL	Total
P	Finding present
-	Finding not present
MN	Mean

TISSUE ABBREVIATIONS

Abbreviation	Definition
LN	Lymph node
GL	Gland
STOMACH, GL	Glandular stomach
STOMACH, NONGL	Nonglandular stomach
SALIV GL, MANDIB	Mandibular salivary gland
LN, ANT MES/PANC	Anterior mesenteric/pancreatic lymph node
AUDITORY SEB GL	Auditory sebaceous gland
LACRIMAL GLAND, EX	Exorbital lacrimal gland
HEMATO NEOPLASIA	Hematopoietic neoplasia
LACRIMAL GL, INT	Internal lacrimal gland
CAVITY, ABDOM	Abdominal cavity
SALIV GL,PAROTID	Parotid salivary gland
LN, TRACHEOBRON	Tracheobronchial lymph node

Figure 1
Adjusted Survival Data (%) - Males

Covance 6329-228
3M T-6316.1

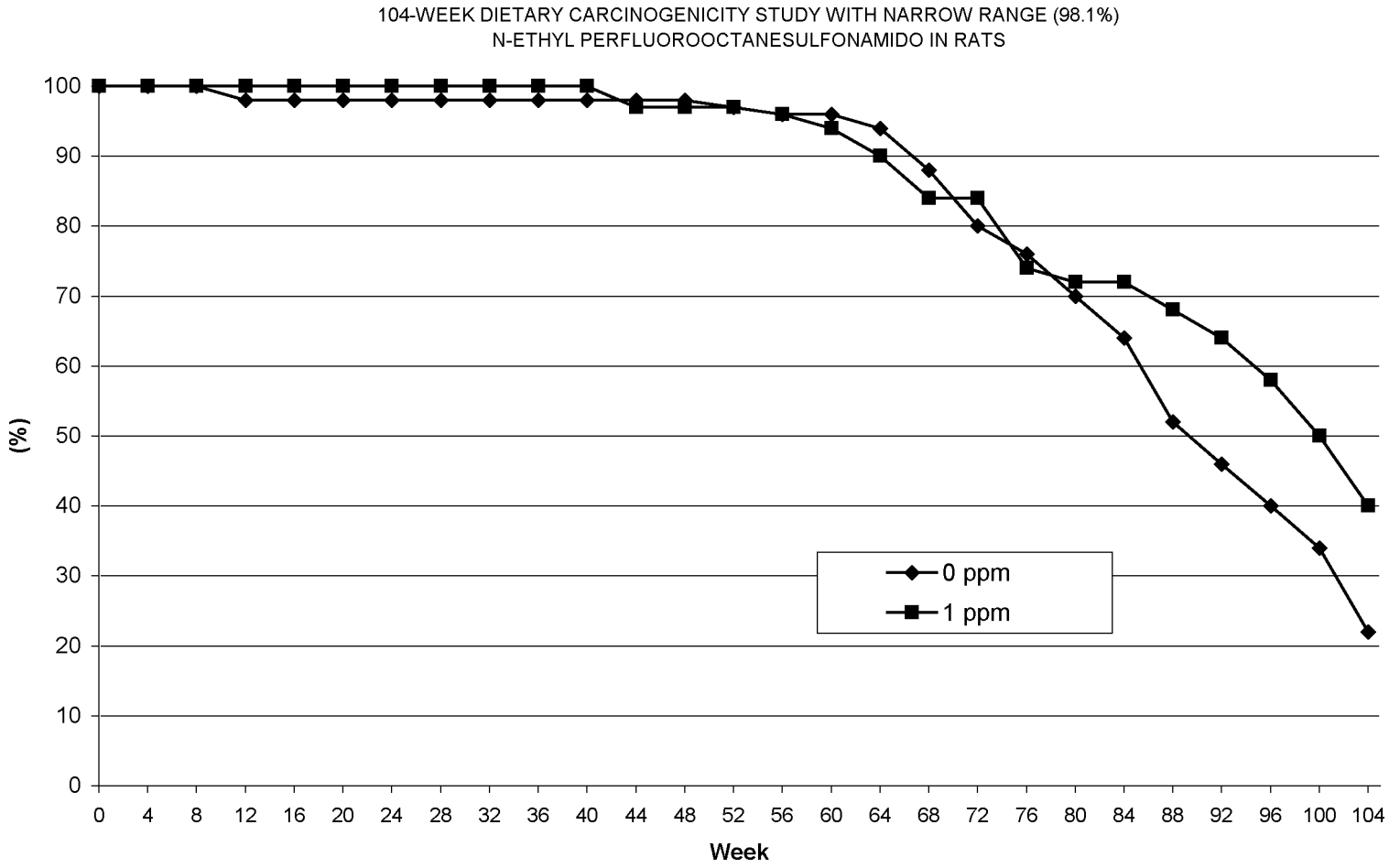


Figure 2
Adjusted Survival Data (%) - Females

Covance 6329-228
3M T-6316.1

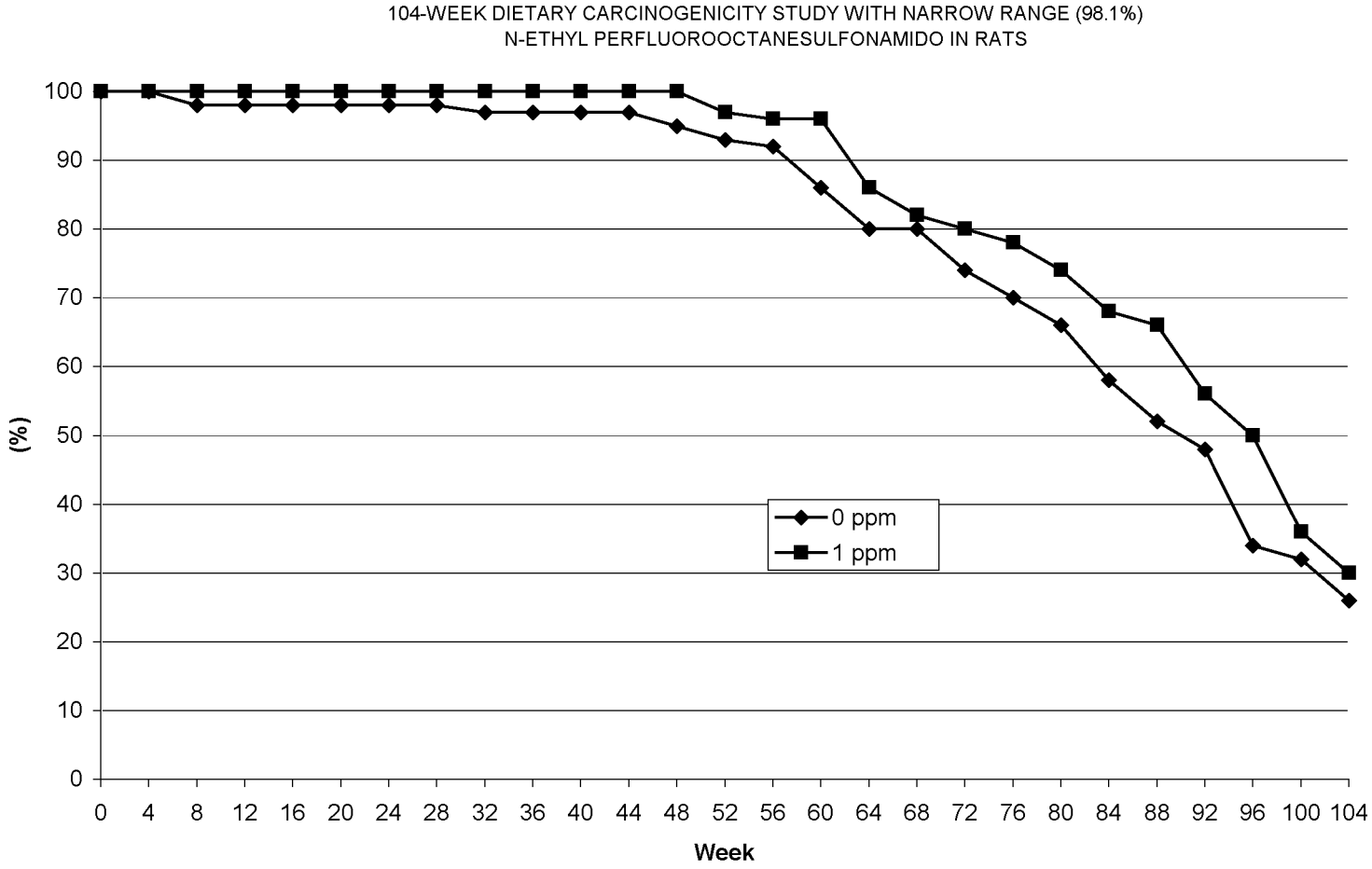


Figure 3

Mean Body Weight Data (g) - Males

Covance 6329-228
3M T-6316.1

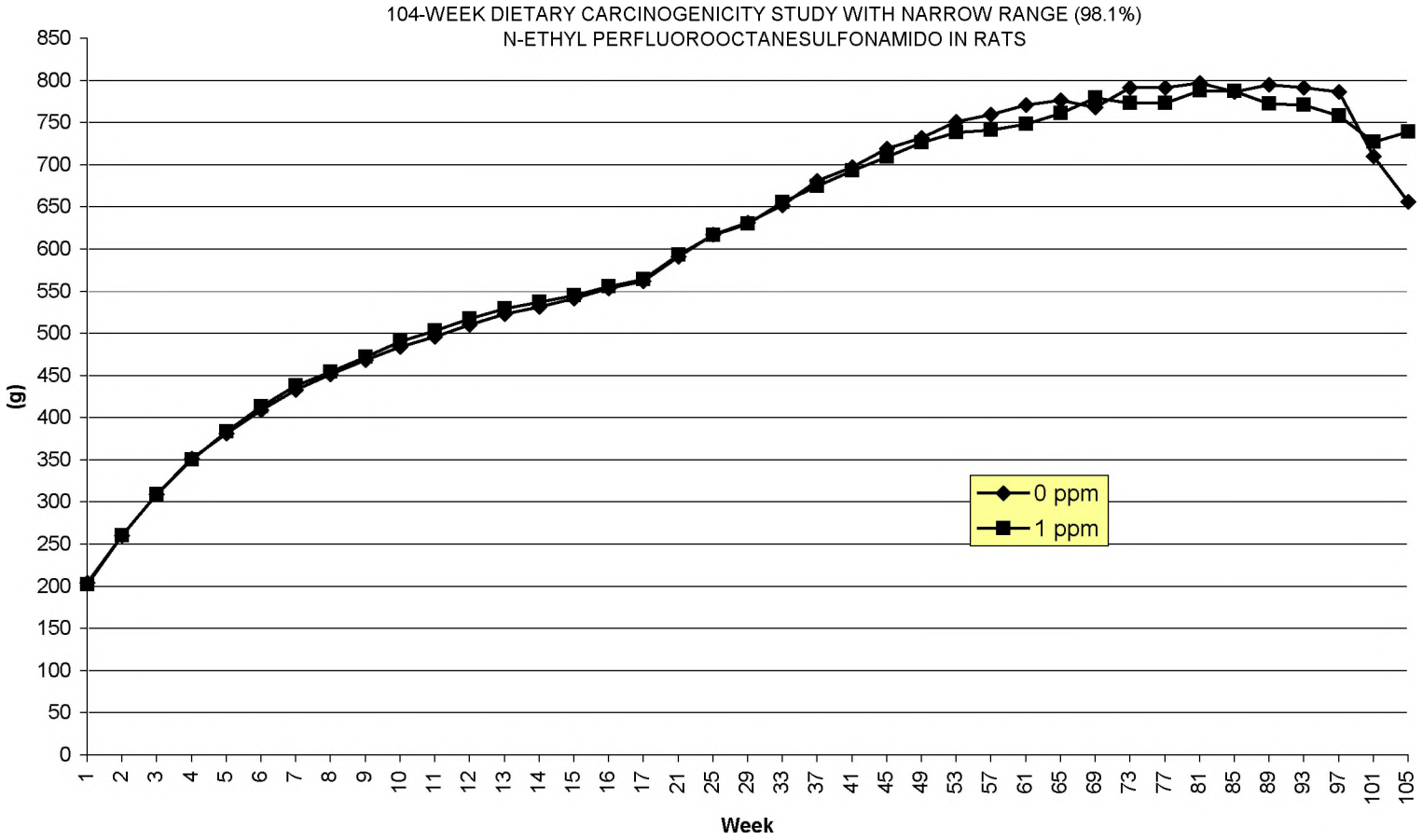


Figure 4
Mean Body Weight Data (g) - Females

Covance 6329-228
3M T-6316.1

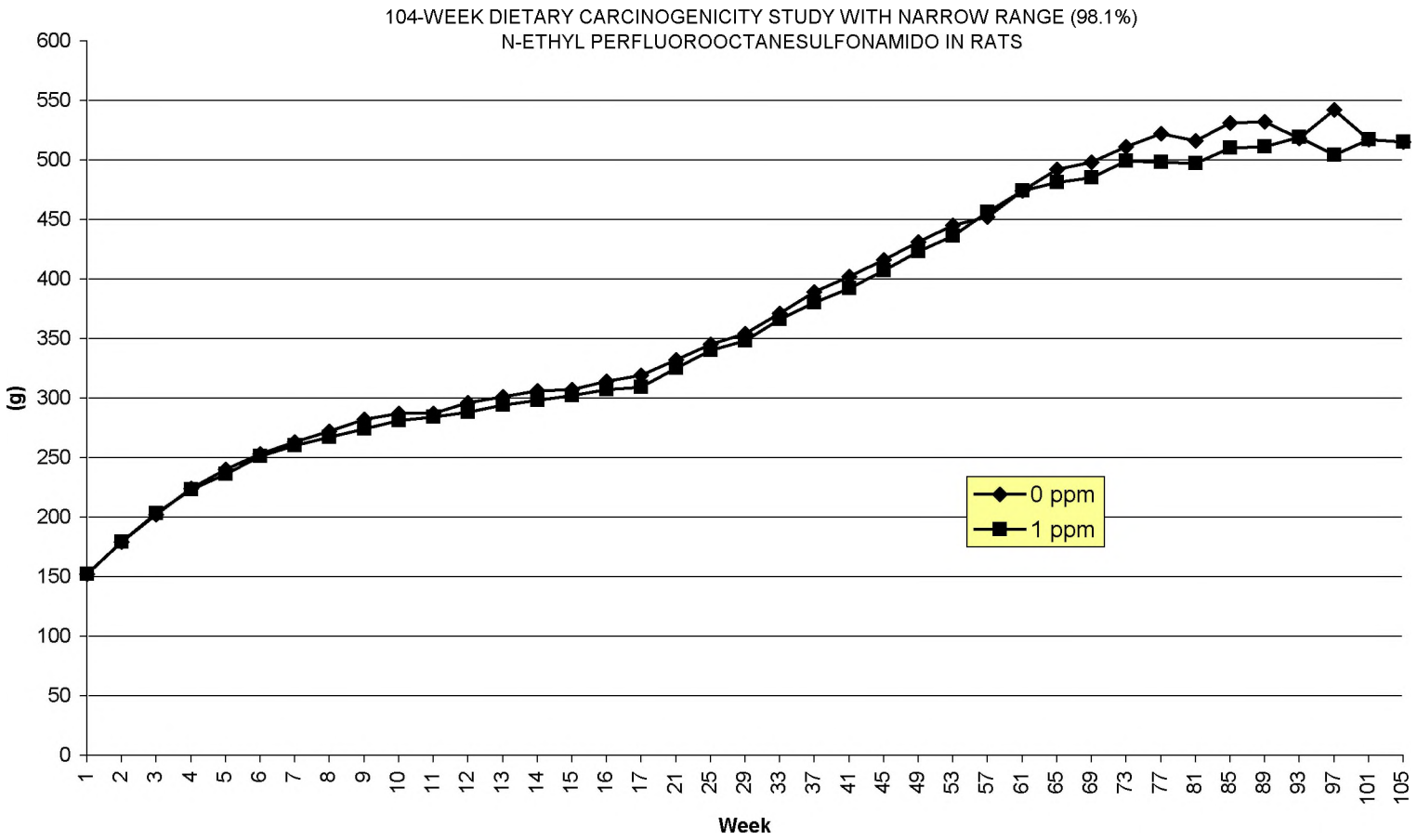


Figure 5

Mean Food Consumption Data (g) - Males

Covance 6329-228
3M T-6316.1

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO IN RATS

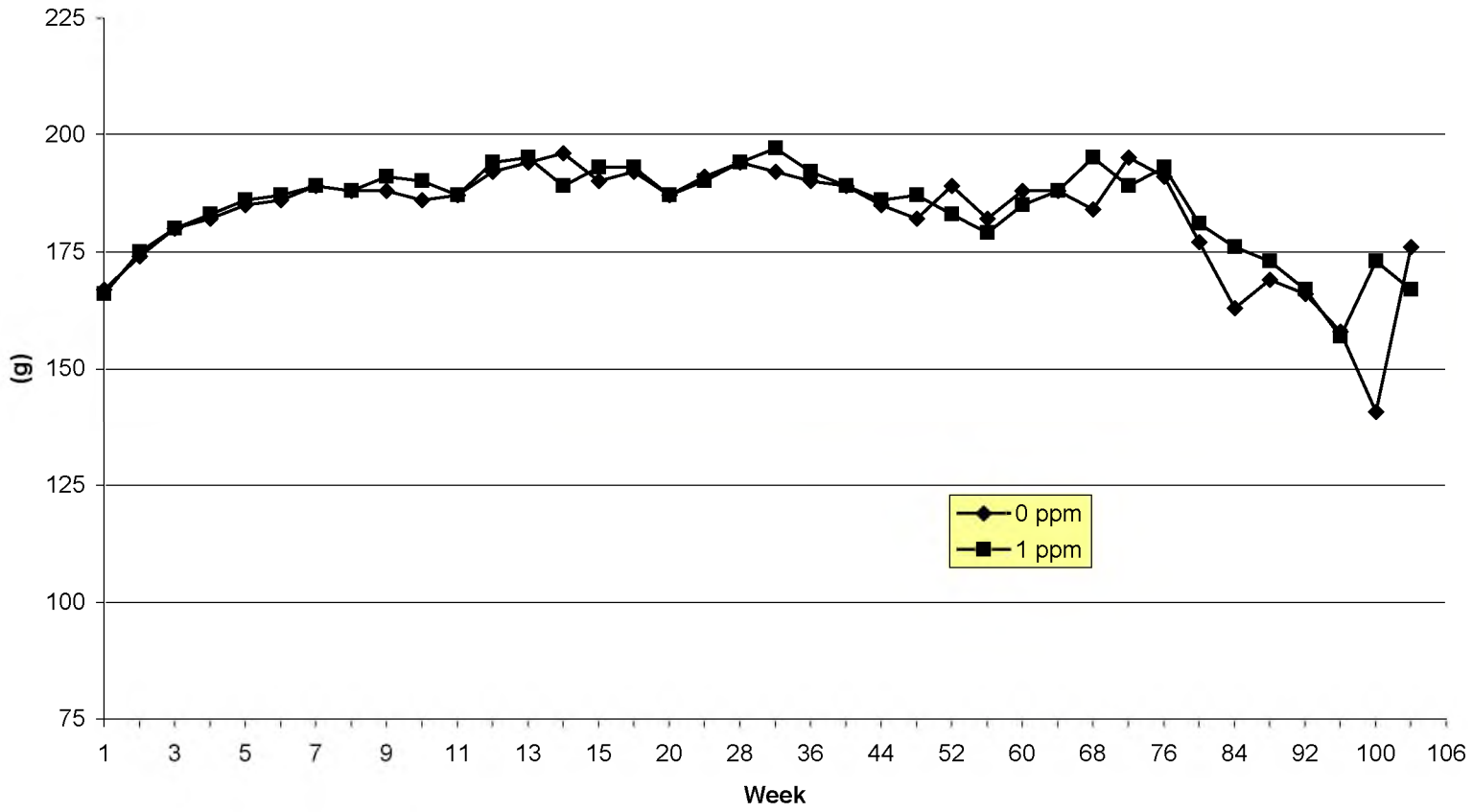


Figure 6

Mean Food Consumption Data (g) - Females

Covance 6329-228
3M T-6316.1

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO IN RATS

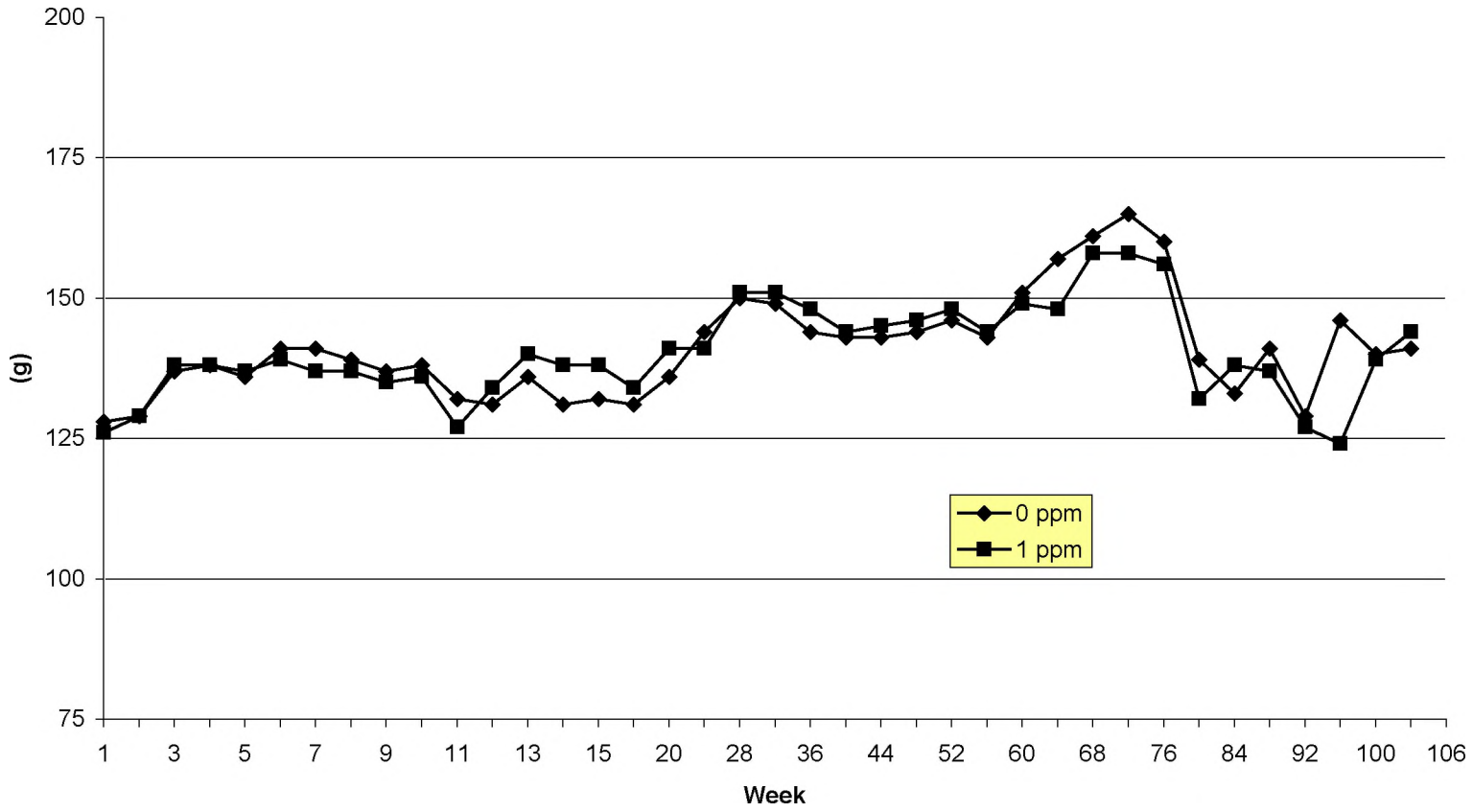


Table 1

Results of Homogeneity Analyses (ppm)
Mixed 3/30/98

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

	T-6316 (ppm)	
Sample Location	Replicate	1
Top	1	0.824
	2	1.01
	3	0.906
	Mean	0.913 (91.3)[a]
Middle	1	1.02
	2	0.894
	3	0.900
	Mean	0.938 (93.8)
Bottom	1	0.766
	2	1.28
	3	1.13
	Mean	1.06 (106)

a Each value in parentheses is the percent of theoretical.

Table 2

Results of Stability Analyses (ppm)
Mixed 3/30/98

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		T-6316 (ppm)
Interval	Replicate	1
Initial[a]	1	1.02
	2	0.894
	3	0.900
	Mean	0.938 (93.8)[b]
21 days at room temperature	1	0.892
	2	0.842
	Mean	0.867 (86.7)
32 days at room temperature	1	1.39
	2	1.20
	Mean	1.30 (130)

a Results were derived from the sample collected from the middle of the dose preparations for homogeneity analysis.
b Each value in parentheses is the percent of theoretical.

Table 2 (Continued)

Results of Stability Analyses (ppm)
Mixed 6/5/98

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

	T-6316 (ppm)	
Interval	Replicate	1
Initial	1	0.966
	2	1.13
	Mean	1.05 (105)[b]
32 days at room temperature	1	0.828
	2	0.808
	Mean	0.818 (81.8)
46 days at room temperature	1	1.06
	2	0.902
	Mean	0.981 (98.1)

b Each value in parentheses is the percent of theoretical.

Table 3

Results of Dose Preparation Analyses (ppm)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		T-6316 (ppm)	
Week	Replicate	0	1
1[a]	1	b	1.02
	2	b	0.894
	3	-	0.900
	Mean	-	0.938 (93.8)[c]
2-5	1	b	0.782
	2	b	0.668
	Mean	-	0.725 (72.5)
2-5[d]	1	-	1.12
	2	-	1.04
	Mean	-	1.08 (108)
6-9	1	0.848	1.48
	2	b	1.53
	Mean	-	1.51 (151)
6-9[d]	1	b	0.890
	2	b	0.858
	Mean	-	0.874 (87.4)

a Results for the 1 ppm level were derived from the sample collected from the middle of the dose preparations for homogeneity analysis.
b Below the limit of quantitation (<0.5 ppm).
c Each value in parentheses is the percent of the theoretical.
d Reassay.

Table 3 (Continued)

Results of Dose Preparation Analyses (ppm)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		T-6316 (ppm)	
Week	Replicate	0	1
10-13	1	b	0.966
	2	b	1.13
	Mean	-	1.05 (105)[c]
14-17	1	b	0.894
	2	b	0.870
	Mean	-	0.882 (88.2)
18-21	1	b	1.69
	2	b	1.07
	Mean	-	1.38 (138)
18-21[d]	1	-	0.880
	2	-	1.26
	Mean	-	1.07 (107)
18-21[e]	1	-	0.789
	2	-	0.704
	Mean	-	0.747 (74.7)
22-25	1	b	0.798
	2	b	0.876
	Mean	-	0.837 (83.7)

b Below the limit of quantitation (<0.5 ppm).
c Each value in parentheses is the percent of the theoretical.
d Reassay.
e Retention.

Table 3 (Continued)

Results of Dose Preparation Analyses (ppm)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		T-6316 (ppm)	
Week	Replicate	0	1
26-29	1	b	8.81
	2	b	1.88
	Mean	-	5.35 (535)[c]
26-29[d]	1	-	0.730
	2	-	0.786
	Mean	-	0.758 (75.8)
26-29[e]	1	-	0.902
	2	-	0.936
	Mean	-	0.919 (91.9)
30-33	1	b	1.05
	2	b	1.32
	Mean	-	1.19 (119)
30-33[d]	1	-	0.951
	2	-	0.955
	Mean	-	0.953 (95.3)
34-37	1	b	1.02
	2	b	1.00
	Mean	-	101 (101)

b Below the limit of quantitation (<0.5 ppm).
c Each value in parentheses is the percent of the theoretical.
d Reassay.
e Retention.

Table 3 (Continued)

Results of Dose Preparation Analyses (ppm)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		T-6316 (ppm)	
Week	Replicate	0	1
38-41	1	b	0.836
	2	b	1.16
	Mean	-	0.998 (99.8)[c]
42-45	1	b	0.912
	2	b	0.886
	Mean	-	0.899 (89.9)
46-49	1	b	0.781
	2	b	0.705
	Mean	-	0.743 (74.3)
46-49[d]	1	-	0.648
	2	-	0.669
	Mean	-	0.659 (65.9)
46-49[e]	1	-	0.568
	2	-	0.573
	Mean	-	0.571 (57.1)
50-53	1	b	0.895
	2	b	2.18
	Mean	-	1.54 (154)

b Below the limit of quantitation (<0.5 ppm).
c Each value in parentheses is the percent of the theoretical.
d Reassay.
e Retention.

Table 3 (Continued)

Results of Dose Preparation Analyses (ppm)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		T-6316 (ppm)	
Week	Replicate	0	1
50-53[d]	1	-	0.916
	2	-	0.904
	Mean	-	0.910 (91.0)[c]
54-57	1	b	0.977
	2	b	0.784
	Mean	-	0.881 (88.1)
54/57[d]	1	-	0.775
	2	-	0.742
	Mean	-	0.759 (75.9)
54/57[e]	1	-	0.444
	2	-	0.501
	Mean	-	0.473 (47.3)
58-61	1	b	1.09
	2	b	0.945
	Mean	-	1.02 (102)
58-61[d]	1	-	0.782
	2	-	0.987
	Mean	-	0.885 (88.5)
58-61[e]	1	-	1.05
	2	-	0.938
	Mean	-	0.994 (99.4)

b Below the limit of quantitation (<0.5 ppm).
c Each value in parentheses is the percent of the theoretical.
d Reassay.
e Retention.

Table 3 (Continued)

Results of Dose Preparation Analyses (ppm)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		T-6316 (ppm)	
Week	Replicate	0	1
62-65	1	b	0.813
	2	b	1.18
	Mean	-	0.997 (99.7)[c]
62-65[d]	1	-	0.727
	2	-	0.679
	Mean	-	0.703 (70.3)
62-65[e]	1	-	0.716
	2	-	0.872
	Mean	-	0.794 (79.4)
66-69	1	b	0.700
	2	b	0.786
	Mean	-	0.743 (74.3)
66-69[d]	1	-	0.969
	2	-	0.763
	Mean	-	0.866 (86.6)
66-69[e]	1	-	0.549
	2	-	0.490
	Mean	-	0.520 (52.0)

b Below the limit of quantitation (<0.5 ppm).
c Each value in parentheses is the percent of the theoretical.
d Reassay.
e Retention.

Table 3 (Continued)

Results of Dose Preparation Analyses (ppm)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		T-6316 (ppm)	
Week	Replicate	0	1
70-73	1	b	0.889
	2	b	0.780
	Mean	-	0.835 (83.5)[c]
70-73[d]	1	-	0.498
	2	-	0.478
	Mean	-	0.488 (48.8)
74-77	1	b	1.22
	2	b	1.17
	Mean	-	1.20 (120)
74-77[d]	1	-	0.592
	2	-	0.806
	Mean	-	0.699 (69.9)

b Below the limit of quantitation (<0.5 ppm).
c Each value in parentheses is the percent of the theoretical.
d Reassay.

Table 3 (Continued)

Results of Dose Preparation Analyses (ppm)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		T-6316 (ppm)	
Week	Replicate	0	1
78-81	1	b	0.856
	2	b	1.01
	Mean	-	0.933 (93.3)[c]
82-85	1	b	0.582
	2	b	0.635
	Mean	-	0.609 (60.9)
86-89	1	b	0.970
	2	b	1.13
	Mean	-	1.05 (105)
90-93	1	b	0.765
	2	b	0.886
	Mean	-	0.826 (82.6)
90-93[d]	1	-	3.22
	2	-	3.19
	Mean	-	3.21 (321)
94-97	1	b	0.756
	2	b	0.919
	Mean	-	0.838 (83.8)
94-97[d]	1	-	0.677
	2	-	0.683
	Mean	-	0.680 (68.0)

b Below the limit of quantitation (<0.5 ppm).
c Each value in parentheses is the percent of the theoretical.
d Reassay.

Table 3 (Continued)

Results of Dose Preparation Analyses (ppm)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		T-6316 (ppm)	
Week	Replicate	0	1
94-97[e]	1	-	0.658
	2	-	0.627
	Mean	-	0.643 (64.3)
98-101	1	b	0.806
	2	b	0.923
	Mean	-	0.865 (86.5)
102-104	1	b	1.16
	2	b	1.07
	Mean	-	1.12 (112)

b Below the limit of quantitation (<0.5 ppm).
c Each value in parentheses is the percent of the theoretical.
e Retention.

Table 4

Survival Data

Covance 6329-228
3M T-6316.1

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

GROUP AND DOSE LEVEL (PPM)	WEEK: START	1	2	3	4	5	6	7	8	9	10	11
					MALE							
8												
0	70/70	70/70	70/70	70/70	65/65	65/65	65/65	65/65	65/65	65/65	65/65	64/65
	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	98%
9												
1	70/70	70/70	70/70	70/70	65/65	65/65	65/65	65/65	65/65	65/65	65/65	65/65
	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
					FEMALE							
8												
0	70/70	70/70	70/70	70/70	65/65	65/65	65/65	65/65	64/65	64/65	64/65	64/65
	100%	100%	100%	100%	100%	100%	100%	100%	98%	98%	98%	98%
9												
1	70/70	70/70	70/70	70/70	65/65	65/65	65/65	65/65	65/65	65/65	65/65	65/65
	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Table 4

Survival Data

Covance 6329-228
3M T-6316.1

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

GROUP AND DOSE LEVEL (PPM)	WEEK:	12	13	14	15	16	17	18	19	20	21	22	23
						MALE							
8													
0		64/65	64/65	59/60	59/60	59/60	59/60	59/60	59/60	59/60	59/60	59/60	59/60
		98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%
9													
1		65/65	65/65	60/60	60/60	60/60	60/60	60/60	60/60	60/60	60/60	60/60	60/60
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
						FEMALE							
8													
0		64/65	64/65	59/60	59/60	59/60	59/60	59/60	59/60	59/60	59/60	59/60	59/60
		98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%
9													
1		65/65	65/65	60/60	60/60	60/60	60/60	60/60	60/60	60/60	60/60	60/60	60/60
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Table 4

Survival Data

Covance 6329-228
3M T-6316.1

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

GROUP AND DOSE LEVEL (PPM)	WEEK:	24	25	26	27	28	29	30	31	32	33	34	35
						MALE							
8													
0		59/60	59/60	59/60	59/60	59/60	59/60	59/60	59/60	59/60	59/60	59/60	59/60
		98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%
9													
1		60/60	60/60	60/60	60/60	60/60	60/60	60/60	60/60	60/60	60/60	60/60	60/60
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
						FEMALE							
8													
0		59/60	59/60	59/60	59/60	59/60	59/60	58/60	58/60	58/60	58/60	58/60	58/60
		98%	98%	98%	98%	98%	98%	97%	97%	97%	97%	97%	97%
9													
1		60/60	60/60	60/60	60/60	60/60	60/60	60/60	60/60	60/60	60/60	60/60	60/60
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Table 4

Survival Data

Covance 6329-228
3M T-6316.1

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

GROUP AND DOSE LEVEL (PPM)	WEEK:	36	37	38	39	40	41	42	43	44	45	46	47
						MALE							
8													
0		59/60	59/60	59/60	59/60	59/60	59/60	59/60	59/60	59/60	59/60	59/60	59/60
		98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%
9													
1		60/60	60/60	60/60	60/60	60/60	60/60	58/60	58/60	58/60	58/60	58/60	58/60
		100%	100%	100%	100%	100%	100%	97%	97%	97%	97%	97%	97%
						FEMALE							
8													
0		58/60	58/60	58/60	58/60	58/60	58/60	58/60	58/60	58/60	58/60	58/60	58/60
		97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%
9													
1		60/60	60/60	60/60	60/60	60/60	60/60	60/60	60/60	60/60	60/60	60/60	60/60
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Table 4

Survival Data

Covance 6329-228
3M T-6316.1

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

GROUP AND DOSE LEVEL (PPM)	WEEK:	48	49	50	51	52	53	54	55	56	57	58	59
						MALE							
8													
0		59/60	59/60	59/60	58/60	58/60	48/50	48/50	48/50	48/50	48/50	48/50	48/50
		98%	98%	98%	97%	97%	96%	96%	96%	96%	96%	96%	96%
9													
1		58/60	58/60	58/60	58/60	58/60	48/50	48/50	48/50	48/50	48/50	48/50	48/50
		97%	97%	97%	97%	97%	96%	96%	96%	96%	96%	96%	96%
						FEMALE							
8													
0		57/60	57/60	56/60	56/60	56/60	46/50	46/50	46/50	46/50	44/50	43/50	43/50
		95%	95%	93%	93%	93%	92%	92%	92%	92%	88%	86%	86%
9													
1		60/60	60/60	59/60	58/60	58/60	48/50	48/50	48/50	48/50	48/50	48/50	48/50
		100%	100%	98%	97%	97%	96%	96%	96%	96%	96%	96%	96%

Table 4

Survival Data

Covance 6329-228
3M T-6316.1

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

GROUP AND DOSE LEVEL (PPM)	WEEK:	60	61	62	63	64	65	66	67	68	69	70	71
						MALE							
8													
0		48/50	48/50	48/50	48/50	47/50	46/50	46/50	45/50	44/50	43/50	42/50	41/50
		96%	96%	96%	96%	94%	92%	92%	90%	88%	86%	84%	82%
9													
1		47/50	47/50	47/50	45/50	45/50	44/50	44/50	43/50	42/50	42/50	42/50	42/50
		94%	94%	94%	90%	90%	88%	88%	86%	84%	84%	84%	84%
						FEMALE							
8													
0		43/50	43/50	43/50	41/50	40/50	40/50	40/50	40/50	40/50	39/50	38/50	38/50
		86%	86%	86%	82%	80%	80%	80%	80%	80%	78%	76%	76%
9													
1		48/50	47/50	45/50	43/50	43/50	43/50	43/50	43/50	41/50	41/50	40/50	40/50
		96%	94%	90%	86%	86%	86%	86%	86%	82%	82%	80%	80%

Table 4

Survival Data

Covance 6329-228
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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

GROUP AND DOSE LEVEL (PPM)	WEEK: 72	73	74	75	76	77	78	79	80	81	82	83
					MALE							
8												
0	40/50	40/50	40/50	40/50	38/50	36/50	36/50	35/50	35/50	35/50	34/50	33/50
	80%	80%	80%	80%	76%	72%	72%	70%	70%	70%	68%	66%
9												
1	42/50	39/50	39/50	38/50	37/50	37/50	37/50	37/50	36/50	36/50	36/50	36/50
	84%	78%	78%	76%	74%	74%	74%	74%	72%	72%	72%	72%
					FEMALE							
8												
0	37/50	36/50	35/50	35/50	35/50	35/50	34/50	33/50	33/50	32/50	30/50	29/50
	74%	72%	70%	70%	70%	70%	68%	66%	66%	64%	60%	58%
9												
1	40/50	39/50	39/50	39/50	39/50	38/50	38/50	38/50	37/50	35/50	35/50	34/50
	80%	78%	78%	78%	78%	76%	76%	76%	74%	70%	70%	68%

Table 4

Survival Data

Covance 6329-228
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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

GROUP AND DOSE LEVEL (PPM)	WEEK:	84	85	86	87	88	89	90	91	92	93	94	95
						MALE							
8													
0		32/50	30/50	28/50	26/50	26/50	26/50	25/50	23/50	23/50	21/50	21/50	20/50
		64%	60%	56%	52%	52%	52%	50%	46%	46%	42%	42%	40%
9													
1		36/50	35/50	35/50	34/50	34/50	33/50	32/50	32/50	32/50	31/50	31/50	31/50
		72%	70%	70%	68%	68%	66%	64%	64%	64%	62%	62%	62%
						FEMALE							
8													
0		29/50	28/50	28/50	27/50	26/50	25/50	25/50	25/50	24/50	22/50	19/50	19/50
		58%	56%	56%	54%	52%	50%	50%	50%	48%	44%	38%	38%
9													
1		34/50	33/50	33/50	33/50	33/50	31/50	31/50	30/50	28/50	28/50	27/50	27/50
		68%	66%	66%	66%	66%	62%	62%	60%	56%	56%	54%	54%

Table 4

Survival Data

Covance 6329-228
3M T-6316.1

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

GROUP AND DOSE LEVEL (PPM)	WEEK:	96	97	98	99	100	101	102	103	104
					MALE					
8										
0		20/50	19/50	19/50	18/50	17/50	15/50	14/50	13/50	11/50
		40%	38%	38%	36%	34%	30%	28%	26%	22%
9										
1		29/50	26/50	26/50	26/50	25/50	23/50	23/50	23/50	20/50
		58%	52%	52%	52%	50%	46%	46%	46%	40%
					FEMALE					
8										
0		17/50	17/50	17/50	17/50	16/50	15/50	14/50	14/50	13/50
		34%	34%	34%	34%	32%	30%	28%	28%	26%
9										
1		25/50	24/50	23/50	21/50	18/50	18/50	17/50	16/50	15/50
		50%	48%	46%	42%	36%	36%	34%	32%	30%

Covance 6329-228
3M T-6316.1

Table 5

Summary of Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

NUMBER OF ANIMALS AFFECTED

DAYS 1-730

SEX:	--MALE--		-FEMALE-	
GROUP:	8	9	8	9
CATEGORY DOSE:	0	1	0	1
KEYWORD / QUALIFIER NUMBER:	70	70	70	70
*** TOP OF LIST ***				
APPEARANCE				
CONVULSIONS	0	1	0	0
HEAD TILT				
LEFT	1	0	6	4
RIGHT	1	1	1	6
HUNCHED	4	7	5	3
LIMITED USE				
LIMB-HIND-LEFT	0	1	0	1
LIMBS-HIND	1	0	0	0
MALOCCLUSION	13	7	19	9
MISSING				
TEETH	1	1	0	0
OBESE	2	1	0	1
PARALYSIS				
LIMB-FRONT-LEFT	0	1	0	0
PROTRUDING PENIS	2	1	0	0
SWOLLEN				
HEAD-MAXILLARY-RIGHT	0	0	1	0
MOUTH	0	0	1	0
NOSE	2	0	0	0
PAW-HIND-LEFT	3	0	0	1
PAW-HIND-RIGHT	1	1	0	2
PAWS-HIND	1	0	0	1
THIN	22	17	17	13
EXCESSIVE BLEEDING FROM PAWS, CAUTERIZED				
WITH SILVER NITRATE		0	0	0

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Table 5

Summary of Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DAYS 1-730	NUMBER OF ANIMALS AFFECTED			
SEX:	--MALE--		-FEMALE-	
GROUP:	8	9	8	9
CATEGORY / DOSE:	0	1	0	1
KEYWORD / QUALIFIER / NUMBER:	70	70	70	70
BEHAVIOR				
AGGRESSIVE				
<UNSPECIFIED>	0	1	0	0
MODERATE	0	1	0	0
ATAXIC				
<UNSPECIFIED>	2	2	6	8
MODERATE	0	0	1	0
CIRCLING				
LEFT	0	0	0	1
RIGHT	0	0	1	0
HYPOACTIVE				
<UNSPECIFIED>	16	10	10	13
MILD	0	0	0	1
RECUMBENT				
LATERAL	1	0	0	1
STERNAL	0	2	0	0
SENSITIVE TO TOUCH	0	3	1	2
ANIMAL IS CHEWING ON DISTAL PORTION OF TAIL	1	0	0	0
COLD TO TOUCH				
ENTIRE BODY	3	1	1	4
DISCHARGE				
GENITAL				
RED IN COLOR	1	3	0	1
CLEAR ORAL				
<UNSPECIFIED>	0	1	0	0

Table 5

Summary of Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		NUMBER OF ANIMALS AFFECTED			
DAYS 1-730					
	SEX:	--MALE--		-FEMALE-	
	GROUP:	8	9	8	9
CATEGORY	DOSE:	0	1	0	1
KEYWORD					
QUALIFIER	NUMBER:	70	70	70	70
DISCHARGE					
CLEAR ORAL					
MODERATE		0	1	0	0
NASAL					
RED IN COLOR		6	1	9	6
RED DISCHARGE		1	0	0	0
RED ORAL		0	0	1	0
MUCOID DISCHARGE FROM RECTUM		0	0	1	0
EXCRETION					
FEW FECES		22	11	20	18
NO FECES		10	7	8	7
NONFORMED FECES		15	14	1	6
EYES					
CLEAR DISCHARGE					
EYE-LEFT		0	0	1	0
DISPLACED PUPIL					
EYE-RIGHT		0	0	1	0
DILATED PUPIL					
EYES		1	0	0	0
DISCOLORED/LIGHT RED					
EYES		0	0	1	0
OPAQUE					
EYES		0	1	0	0
PALE					
EYE-RIGHT		0	1	0	0
EYES		4	1	1	2

Covance 6329-228
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Table 5

Summary of Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

NUMBER OF ANIMALS AFFECTED

DAYS 1-730

SEX:	--MALE--		-FEMALE-	
GROUP:	8	9	8	9
CATEGORY / DOSE:	0	1	0	1
KEYWORD / QUALIFIER / NUMBER:	70	70	70	70
EYES				
RED DISCHARGE				
EYE-LEFT	3	3	6	6
EYE-RIGHT	1	1	2	1
EYES	6	2	10	11
SCAB				
EYE-LEFT	0	1	0	0
SQUINTED				
PERI-ORBITAL	7	4	3	4
PERI-ORBITAL-LEFT	2	0	0	1
PERI-ORBITAL-RIGHT	0	0	1	0
RESPIRATION				
AUDIBLE	3	1	2	0
IRREGULAR	5	3	2	0
LABORED	5	2	3	2
SKIN & PELAGE				
ALOPECIA	0	1	1	0
BROWN HAIR COAT				
PERINEAL AREA	3	2	0	6
VENTRAL-ABDOMINAL	4	3	2	1
VENTRAL-CERVICAL	1	0	0	0
GENERALIZED	0	0	1	0
BLUE SKIN				
VENTRAL-ABDOMINAL-LEFT	0	1	1	1

Covance 6329-228
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Table 5

Summary of Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DAYS 1-730	NUMBER OF ANIMALS AFFECTED			
SEX:	--MALE--		-FEMALE-	
GROUP:	8	9	8	9
CATEGORY / DOSE:	0	1	0	1
KEYWORD / QUALIFIER / NUMBER:	70	70	70	70
SKIN & PELAGE				
BLACK SKIN				
VENTRAL-ABDOMINAL	0	1	2	0
VENTRAL-THORACIC-LEFT	0	0	1	0
PALE				
ENTIRE BODY	4	4	3	3
RED HAIR COAT				
DORSAL	0	1	0	1
DORSAL-CERVICAL	0	1	0	0
DORSAL-CERVICAL-RIGHT	0	1	0	0
HEAD-ENTIRE	6	1	2	5
HEAD-CRANIAL	0	0	2	2
PERINEAL AREA	2	0	1	0
SHOULDER-LEFT	0	0	0	1
VENTRAL-ABDOMINAL	2	0	3	1
VENTRAL-ABDOMINAL-LEFT	0	0	0	1
VENTRAL-CERVICAL	0	0	1	0
ROUGH HAIR COAT	4	3	2	0
RED SKIN				
TAIL	1	0	0	0
SORE/SCAB				
AXILLARY REGION-LEFT	0	0	2	0
AXILLARY REGION-RIGHT	0	0	3	1
DORSAL	2	3	0	2
DORSAL-CERVICAL	1	2	0	0
DORSAL-CERVICAL-RIGHT	1	0	0	0

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Table 5

Summary of Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

NUMBER OF ANIMALS AFFECTED

DAYS 1-730

SEX:	--MALE--		-FEMALE-	
GROUP:	8	9	8	9
CATEGORY / DOSE:	0	1	0	1
KEYWORD / QUALIFIER / NUMBER:	70	70	70	70
SKIN & PELAGE				
SORE/SCAB				
DORSAL-THORACIC-LEFT	1	1	0	0
DORSAL-THORACIC-RIGHT	1	0	0	0
HEAD-ENTIRE	0	2	1	0
HEAD-CRANIAL	0	0	0	1
HEAD-MAXILLARY-LEFT	0	0	1	0
HEAD-MAXILLARY-RIGHT	0	1	0	1
LATERAL-ABDOMINAL-RIGHT	1	0	0	1
LATERAL-CERVICAL-LEFT	0	0	0	1
LIMB-HIND-LEFT	0	1	0	0
LUMBAR-RIGHT	1	0	0	0
MOUTH	0	1	2	0
PAW-FRONT-LEFT	1	0	0	0
PAW-HIND-LEFT	7	4	0	1
PAW-HIND-RIGHT	6	3	1	3
PAWS-HIND	1	2	1	1
PERINEAL AREA	0	0	0	1
SCROTUM	1	0	0	0
SCROTUM-RIGHT	0	1	0	0
SHOULDER-RIGHT	0	0	1	0
TAIL	0	0	0	1
TAIL-DISTAL	1	0	0	0
TAIL-PROXIMAL	1	0	0	1
VENTRAL-ABDOMINAL	4	4	1	1
VENTRAL-ABDOMINAL-LEFT	2	1	0	1

Table 5

Summary of Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		NUMBER OF ANIMALS AFFECTED			
DAYS 1-730					
	SEX:	--MALE--		-FEMALE-	
	GROUP:	8	9	8	9
CATEGORY	DOSE:	0	1	0	1
KEYWORD					
QUALIFIER	NUMBER:	70	70	70	70
SKIN & PELAGE					
SORE/SCAB					
VENTRAL-ABDOMINAL-RIGHT		1	1	2	1
VENTRAL-CERVICAL		0	1	1	2
VENTRAL-CERVICAL-LEFT		0	0	1	1
VENTRAL-CERVICAL-RIGHT		0	1	0	0
VENTRAL-THORACIC		0	1	0	0
VENTRAL-THORACIC-RIGHT		1	1	0	0
WARM TO TOUCH					
ENTIRE BODY		0	0	1	0
YELLOW HAIR COAT		5	3	7	5

*** END OF LIST ***

Covance 6329-228
3M T-6316.1

Table 6

Summary of Mass Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

NUMBER OF ANIMALS AFFECTED

DAYS 1-730

SEX:	--MALE--		-FEMALE-	
GROUP:	8	9	8	9
CATEGORY / DOSE:	0	1	0	1
KEYWORD / QUALIFIER / NUMBER:	70	70	70	70
*** TOP OF LIST ***				
MASS(ES)				
AXILLARY REGION-LEFT				
WEEK 42	0	0	0	1
WEEK 45	0	0	1	0
WEEK 48	0	0	0	1
WEEK 51	0	0	0	2
WEEK 59	0	0	1	0
WEEK 61	0	0	1	0
WEEK 74	0	0	0	1
WEEK 76	0	0	2	0
WEEK 77	0	0	1	0
WEEK 79	0	0	0	1
WEEK 80	0	0	1	0
WEEK 84	0	0	0	1
WEEK 92	0	0	1	0
WEEK 96	0	0	2	1
WEEK 101	0	0	0	1
WEEK 102	0	0	1	0
AXILLARY REGION-RIGHT				
WEEK 28	0	0	0	1
WEEK 39	0	0	0	1
WEEK 40	0	0	1	0
WEEK 42	0	0	1	1
WEEK 55	0	0	0	1
WEEK 57	0	0	1	0
WEEK 59	0	0	1	1

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Table 6

Summary of Mass Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

NUMBER OF ANIMALS AFFECTED

DAYS 1-730

SEX:	--MALE--		-FEMALE-	
GROUP:	8	9	8	9
CATEGORY / DOSE:	0	1	0	1
KEYWORD / QUALIFIER / NUMBER:	70	70	70	70
MASS(ES)				
AXILLARY REGION-RIGHT				
WEEK 60	0	0	2	0
WEEK 70	0	0	0	1
WEEK 73	0	0	0	1
WEEK 74	0	0	0	1
WEEK 75	0	0	1	0
WEEK 79	0	0	1	0
WEEK 80	0	0	1	0
WEEK 83	0	0	1	0
WEEK 84	0	0	1	0
WEEK 88	0	0	0	1
WEEK 91	0	0	1	0
WEEK 92	0	0	1	0
WEEK 96	0	0	0	2
WEEK 101	0	0	1	1
DORSAL				
WEEK 72	0	1	0	0
WEEK 83	0	0	0	1
WEEK 90	0	1	0	0
WEEK 95	1	0	0	0
HEAD-MAXILLARY-LEFT				
WEEK 93	0	1	0	0
WEEK 100	0	1	0	0
HEAD-MAXILLARY-RIGHT				
WEEK 66	0	0	0	1

Covance 6329-228
3M T-6316.1

Table 6

Summary of Mass Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		NUMBER OF ANIMALS AFFECTED			
DAYS 1-730					
	SEX:	--MALE--		-FEMALE-	
	GROUP:	8	9	8	9
CATEGORY	DOSE:	0	1	0	1
KEYWORD					
QUALIFIER	NUMBER:	70	70	70	70
MASS(ES)					
HEAD-MAXILLARY-RIGHT					
WEEK 74		0	1	0	0
INGUINAL REGION-LEFT					
WEEK 48		0	0	0	1
WEEK 64		1	0	0	0
WEEK 78		0	1	0	0
WEEK 79		0	0	1	0
WEEK 80		0	0	0	2
WEEK 84		0	0	0	1
WEEK 92		0	0	1	1
WEEK 95		0	0	0	1
WEEK 101		0	0	1	0
INGUINAL REGION-RIGHT					
WEEK 35		0	0	0	1
WEEK 40		0	0	0	1
WEEK 42		0	0	0	1
WEEK 56		0	0	1	0
WEEK 76		0	0	1	0
WEEK 84		0	0	1	2
WEEK 92		0	0	0	2
LIMB-FRONT-RIGHT					
WEEK 35		0	0	0	1
PAW-HIND-RIGHT					
WEEK 42		0	0	0	1

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Table 6

Summary of Mass Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		NUMBER OF ANIMALS AFFECTED			
DAYS 1-730					
	SEX:	--MALE--		-FEMALE-	
	GROUP:	8	9	8	9
CATEGORY	DOSE:	0	1	0	1
KEYWORD					
QUALIFIER	NUMBER:	70	70	70	70
MASS(ES)					
SHOULDER-LEFT					
WEEK 38		0	0	1	0
SHOULDER-RIGHT					
WEEK 19		0	0	1	0
WEEK 55		0	0	0	1
TAIL-PROXIMAL					
WEEK 75		0	0	0	1
VENTRAL-ABDOMINAL					
WEEK 32		1	0	0	0
WEEK 35		0	0	0	1
WEEK 40		0	1	0	0
WEEK 44		0	0	0	1
WEEK 45		0	1	0	0
WEEK 50		0	0	1	1
WEEK 56		0	0	0	1
WEEK 61		0	0	0	1
WEEK 62		0	0	0	1
WEEK 74		1	0	1	0
WEEK 75		1	0	0	1
WEEK 76		0	1	0	0
WEEK 78		1	0	0	0
WEEK 79		0	1	0	0
WEEK 80		0	0	2	0
WEEK 84		0	1	0	0
WEEK 100		0	0	2	0

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Table 6

Summary of Mass Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		NUMBER OF ANIMALS AFFECTED			
DAYS 1-730					
	SEX:	--MALE--		-FEMALE-	
	GROUP:	8	9	8	9
CATEGORY	DOSE:	0	1	0	1
KEYWORD					
QUALIFIER	NUMBER:	70	70	70	70
MASS(ES)					
VENTRAL-ABDOMINAL					
WEEK 102		0	0	0	1
WEEK 105		0	1	0	0
VENTRAL-ABDOMINAL-LEFT					
WEEK 28		1	0	0	0
WEEK 34		0	0	0	1
WEEK 40		1	0	0	0
WEEK 44		0	0	2	1
WEEK 46		0	1	0	0
WEEK 49		0	0	2	0
WEEK 50		0	0	2	1
WEEK 51		0	0	2	0
WEEK 61		0	0	1	1
WEEK 66		0	0	0	2
WEEK 69		0	0	1	0
WEEK 72		0	1	0	0
WEEK 73		0	0	3	0
WEEK 75		0	0	0	1
WEEK 76		0	1	1	1
WEEK 100		0	0	1	0
WEEK 101		0	0	0	1
WEEK 102		0	0	1	0
WEEK 103		0	0	0	1
VENTRAL-ABDOMINAL-RIGHT					
WEEK 28		1	0	0	0

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Table 6

Summary of Mass Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		NUMBER OF ANIMALS AFFECTED			
DAYS 1-730					
	SEX:	--MALE--		-FEMALE-	
	GROUP:	8	9	8	9
CATEGORY	DOSE:	0	1	0	1
KEYWORD					
QUALIFIER	NUMBER:	70	70	70	70
MASS(ES)					
VENTRAL-ABDOMINAL-RIGHT					
WEEK 33		1	0	0	0
WEEK 40		0	0	0	1
WEEK 44		0	0	0	1
WEEK 45		0	0	0	1
WEEK 48		0	1	0	0
WEEK 51		0	0	1	0
WEEK 53		0	0	2	0
WEEK 61		0	0	0	1
WEEK 63		1	0	0	0
WEEK 64		0	0	0	1
WEEK 66		0	0	1	0
WEEK 70		0	0	0	1
WEEK 74		0	0	0	1
WEEK 76		0	1	0	0
WEEK 78		1	0	0	0
WEEK 79		1	0	0	1
WEEK 80		0	0	0	1
WEEK 84		0	2	1	0
WEEK 92		0	0	0	1
WEEK 101		0	0	0	1
VENTRAL-CERVICAL					
WEEK 36		0	0	1	0
WEEK 46		0	0	2	0
WEEK 54		0	0	0	1

Covance 6329-228
3M T-6316.1

Table 6

Summary of Mass Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

			NUMBER OF ANIMALS AFFECTED		
DAYS 1-730					
	SEX:	--MALE--		-FEMALE-	
	GROUP:	8	9	8	9
CATEGORY	DOSE:	0	1	0	1
KEYWORD					
QUALIFIER	NUMBER:	70	70	70	70
MASS(ES)					
VENTRAL-CERVICAL					
WEEK 65		0	0	1	0
WEEK 75		0	0	0	1
WEEK 77		0	0	0	1
WEEK 80		0	0	0	1
WEEK 84		0	0	0	1
WEEK 88		0	0	0	1
VENTRAL-CERVICAL-LEFT					
WEEK 31		0	0	1	0
WEEK 38		0	0	0	1
WEEK 70		0	0	0	1
WEEK 95		0	0	1	0
VENTRAL-THORACIC					
WEEK 70		0	0	1	0
WEEK 80		0	0	1	0
VENTRAL-THORACIC-LEFT					
WEEK 65		0	0	0	1
WEEK 74		0	0	1	0
VENTRAL-THORACIC-RIGHT					
WEEK 82		0	1	0	0
WART LIKE LESION(S)					
DORSAL					
WEEK 41		1	0	0	0
WEEK 59		0	1	0	0

Covance 6329-228
3M T-6316.1

Table 6

Summary of Mass Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

	NUMBER OF ANIMALS AFFECTED			
DAYS 1-730				
SEX:	--MALE--		-FEMALE-	
GROUP:	8	9	8	9
CATEGORY / DOSE:	0	1	0	1
KEYWORD / QUALIFIER / NUMBER:	70	70	70	70
WART LIKE LESION(S)				
DORSAL				
WEEK 62	0	1	0	0
WEEK 72	0	1	0	0
WEEK 76	0	1	0	0
WEEK 82	0	1	0	0
WEEK 93	1	0	0	0
EAR-LEFT				
WEEK 92	0	0	1	0
HEAD-MAXILLARY-RIGHT				
WEEK 64	1	0	0	0
WEEK 79	0	0	0	1
LIMB-FRONT-RIGHT				
WEEK 105	0	1	0	0
MOUTH				
WEEK 54	0	0	1	0
WEEK 100	0	1	0	0
NOSE				
WEEK 46	0	0	1	0
WEEK 68	1	0	0	0
WEEK 100	0	1	0	0
TAIL-MID				
WEEK 101	0	1	0	0
TAIL-PROXIMAL				
WEEK 64	0	1	0	0
WEEK 74	1	0	0	0

Covance 6329-228
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Table 6

Summary of Mass Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

NUMBER OF ANIMALS AFFECTED

DAYS 1-730

	SEX:	--MALE--		-FEMALE-	
	GROUP:	8	9	8	9
CATEGORY	DOSE:	0	1	0	1
KEYWORD					
QUALIFIER	NUMBER:	70	70	70	70
WART LIKE LESION(S)					
VENTRAL-ABDOMINAL					
WEEK 20		1	0	0	0
WEEK 58		0	1	0	0
WEEK 92		0	1	0	0
VENTRAL-ABDOMINAL-RIGHT					
WEEK 82		0	1	0	0
VENTRAL-THORACIC-RIGHT					
WEEK 82		0	1	0	0
WEEK 101		0	1	0	0

*** END OF LIST ***

Covance 6329-228
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Table 7

Summary of Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

	SEX:	MALE	MALE	FEMALE	FEMALE
	GROUP:	8	9	8	9
	DOSE:	0	1	0	1
WEEK	UNITS:	PPM	PPM	PPM	PPM
1	N	70	70	70	70
	MEAN	204	202	152	152
	S.D.	18.8	19.4	10.8	11.7
2	N	70	70	70	70
	MEAN	260	260	179	179
	S.D.	21.9	22.1	13.9	13.3
3	N	70	70	70	70
	MEAN	309	309	202	203
	S.D.	25.3	25.4	16.1	15.3
4	N	70	70	70	70
	MEAN	351	350	224	223
	S.D.	28.4	28.4	19.6	17.6
5	N	65	65	65	65
	MEAN	381	383	240	236
	S.D.	33.1	33.4	19.9	17.8
6	N	65	65	65	65
	MEAN	409	413	253	251
	S.D.	36.9	36.4	22.3	20.1
7	N	65	65	65	65
	MEAN	433	438	263	260
	S.D.	40.2	40.4	24.5	21.4

Covance 6329-228
3M T-6316.1

Table 7

Summary of Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

	SEX:	MALE	MALE	FEMALE	FEMALE
	GROUP:	8	9	8	9
	DOSE:	0	1	0	1
WEEK	UNITS:	PPM	PPM	PPM	PPM
8	N	65	65	64	64
	MEAN	451	454	272	267
	S.D.	43.0	42.9	25.2	23.3
9	N	65	65	64	65
	MEAN	468	472	282	274
	S.D.	45.9	45.3	27.6	23.9
10	N	65	65	64	65
	MEAN	484	490	287	281
	S.D.	49.7	47.4	28.4	25.7
11	N	65	65	64	65
	MEAN	496	503	287	284
	S.D.	54.3	48.9	29.0	26.3
12	N	64	65	64	65
	MEAN	510	517	296	288
	S.D.	59.2	51.2	30.2	27.1
13	N	64	65	64	65
	MEAN	523	529	301	294
	S.D.	58.0	53.4	30.7	27.3
14	N	64	65	64	65
	MEAN	531	537	306	298
	S.D.	58.7	54.4	31.4	29.8

Covance 6329-228
3M T-6316.1

Table 7

Summary of Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

	SEX:	MALE		FEMALE	
	GROUP:	8	9	8	9
	DOSE:	0	1	0	1
WEEK	UNITS:	PPM	PPM	PPM	PPM
15	N	59	60	59	60
	MEAN	541	545	307	302
	S.D.	60.2	56.4	34.1	30.8
16	N	59	60	59	60
	MEAN	553	555	314	307
	S.D.	60.8	59.9	35.0	32.3
17	N	59	60	59	60
	MEAN	562	564	319	309
	S.D.	61.8	62.7	35.8	33.9
21	N	59	60	59	60
	MEAN	591	593	332	325
	S.D.	68.4	70.0	41.3	39.3
25	N	59	60	59	60
	MEAN	617	616	345	340
	S.D.	73.3	74.5	46.7	46.4
29	N	59	60	59	60
	MEAN	631	630	354	348
	S.D.	76.8	77.5	48.3	51.5
33	N	59	60	58	60
	MEAN	652	655	371	366
	S.D.	81.0	84.4	53.9	60.0

Covance 6329-228
3M T-6316.1

Table 7

Summary of Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

	SEX:	MALE		FEMALE	
	GROUP:	8	9	8	9
	DOSE:	0	1	0	1
WEEK	UNITS:	PPM	PPM	PPM	PPM
37	N	59	60	58	60
	MEAN	681	674	389	380
	S.D.	85.7	89.2	60.1	60.3
41	N	59	60	58	60
	MEAN	697	693	402	392
	S.D.	90.0	93.2	63.8	64.5
45	N	59	58	58	60
	MEAN	719	709	416	407
	S.D.	94.9	99.8	68.8	68.9
49	N	59	58	57	60
	MEAN	732	726	431	423
	S.D.	98.6	105.2	74.4	72.3
53	N	58	58	56	58
	MEAN	751	738	445	436
	S.D.	102.7	110.7	78.1	74.2
57	N	48	48	45	48
	MEAN	759	741	452	456
	S.D.	107.8	123.5	87.7	87.5
61	N	48	47	43	48
	MEAN	771	748	474	474
	S.D.	116.1	138.9	94.0	95.6

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3M T-6316.1

Table 7

Summary of Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

	SEX:	MALE		FEMALE	
	GROUP:	8	9	8	9
	DOSE:	0	1	0	1
WEEK	UNITS:	PPM	PPM	PPM	PPM
65	N	47	45	40	43
	MEAN	776	761	492	481
	S.D.	116.3	143.0	91.2	102.5
69	N	44	42	40	41
	MEAN	768	779	498	485
	S.D.	135.9	131.8	97.9	102.5
73	N	40	42	37	40
	MEAN	791	773	511	499
	S.D.	140.6	142.6	98.6	103.1
77	N	38	37	35	39
	MEAN	791	773	522	498
	S.D.	154.4	126.5	96.8	106.3
81	N	35	36	33	37
	MEAN	797	788	516	497
	S.D.	146.7	127.3	102.6	111.1
85	N	32	36	29	34
	MEAN	786	787	531	510
	S.D.	162.7	132.7	97.3	120.1
89	N	26	34	26	33
	MEAN	795	772	532	511
	S.D.	158.6	144.2	97.6	128.1

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Table 7

Summary of Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

	SEX:	MALE		FEMALE	
	GROUP:	8	9	8	9
	DOSE:	0	1	0	1
WEEK	UNITS:	PPM	PPM	PPM	PPM
93	N	23	32	24	28
	MEAN	791	771	518	519
	S.D.	157.9	140.7	110.6	133.6
97	N	20	28	17	25
	MEAN	786	758	542	504
	S.D.	119.5	153.9	102.5	111.2
101	N	17	25	16	18
	MEAN	710	727	517	517
	S.D.	148.5	144.4	108.3	77.6
105	N	11	20	13	15
	MEAN	656	739	515	515
	S.D.	206.2	127.5	126.2	69.6

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Table 8

Summary of Body Weight Change Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

	SEX:	MALE		FEMALE	
	GROUP:	8	9	8	9
	DOSE:	0	1	0	1
WEEK	UNITS:	PPM	PPM	PPM	PPM
1-15	N	59	60	59	60
	MEAN	337	342	155	149
	S.D.	50.0	47.4	28.3	25.5
15-29	N	59	60	59	60
	MEAN	90	85	47	46
	S.D.	23.0	28.0	21.9	26.9
29-57	N	48	48	45	48
	MEAN	129	116	96	107
	S.D.	49.3	53.5	54.4	47.6
57-105	N	11	20	13	15
	MEAN	-70	38	94	99
	S.D.	194.7	78.3	89.1	37.2
1-105	N	11	20	13	15
	MEAN	455	547	366	364
	S.D.	200.2	124.1	120.9	67.3

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Table 9

Summary of Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

	SEX:	MALE		FEMALE	
	GROUP:	8	9	8	9
	DOSE:	0	1	0	1
WEEK	UNITS:	PPM	PPM	PPM	PPM
1	N	70	69	46	57
	MEAN	167	166	128	126
	S.D.	12.9	13.9	13.5	12.6
2	N	69	69	51	55
	MEAN	174	175	129	129
	S.D.	15.6	17.4	13.9	13.5
3	N	69	67	63	66
	MEAN	180	180	137	138
	S.D.	15.6	21.6	19.3	20.1
4	N	63	64	50	58
	MEAN	182	183	138	138
	S.D.	16.2	17.7	13.6	18.6
5	N	63	60	55	53
	MEAN	185	186	136	137
	S.D.	17.7	19.2	14.5	12.3
6	N	62	62	55	52
	MEAN	186	187	141	139
	S.D.	19.2	19.5	18.8	13.4
7	N	65	64	61	57
	MEAN	189	189	141	137
	S.D.	19.1	20.1	17.8	15.2

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Table 9

Summary of Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

	SEX:	MALE		FEMALE	
	GROUP:	8	9	8	9
	DOSE:	0	1	0	1
WEEK	UNITS:	PPM	PPM	PPM	PPM
8	N	63	61	54	48
	MEAN	188	188	139	137
	S.D.	19.6	20.8	17.4	17.0
9	N	63	64	57	58
	MEAN	188	191	137	135
	S.D.	18.9	21.0	18.4	16.0
10	N	63	63	51	51
	MEAN	186	190	138	136
	S.D.	28.8	17.6	15.1	20.1
11	N	62	61	52	51
	MEAN	187	187	132	127
	S.D.	19.9	16.9	14.9	13.7
12	N	63	64	53	55
	MEAN	192	194	131	134
	S.D.	19.4	17.6	16.7	13.9
13	N	64	64	60	61
	MEAN	194	195	136	140
	S.D.	19.7	18.4	17.6	19.4
14	N	47	50	42	38
	MEAN	196	189	131	138
	S.D.	19.0	16.2	13.7	20.2

Covance 6329-228
3M T-6316.1

Table 9

Summary of Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

	SEX:	MALE		FEMALE	
	GROUP:	8	9	8	9
	DOSE:	0	1	0	1
WEEK	UNITS:	PPM	PPM	PPM	PPM
15	N	59	58	56	54
	MEAN	190	193	132	138
	S.D.	19.5	18.4	14.8	22.9
16	N	55	60	47	48
	MEAN	192	193	131	134
	S.D.	20.3	20.6	18.2	14.7
20	N	58	57	56	52
	MEAN	187	187	136	141
	S.D.	19.9	19.6	19.3	24.4
24	N	58	60	57	55
	MEAN	191	190	144	141
	S.D.	21.3	17.9	28.2	20.5
28	N	55	56	53	57
	MEAN	194	194	150	151
	S.D.	20.0	18.0	21.4	23.3
32	N	59	60	57	59
	MEAN	192	197	149	151
	S.D.	21.3	20.7	21.9	23.2
36	N	58	56	57	54
	MEAN	190	192	144	148
	S.D.	18.5	19.4	19.1	15.9

Covance 6329-228
3M T-6316.1

Table 9

Summary of Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

	SEX:	MALE		FEMALE	
	GROUP:	8	9	8	9
	DOSE:	0	1	0	1
WEEK	UNITS:	PPM	PPM	PPM	PPM
40	N	59	60	57	57
	MEAN	189	189	143	144
	S.D.	19.9	19.6	17.7	20.1
44	N	58	58	58	58
	MEAN	185	186	143	145
	S.D.	21.8	21.4	17.3	18.6
48	N	59	58	56	59
	MEAN	182	187	144	146
	S.D.	21.8	21.4	19.9	27.0
52	N	58	57	55	51
	MEAN	189	183	146	148
	S.D.	21.7	20.7	27.1	27.4
56	N	45	47	44	43
	MEAN	182	179	143	144
	S.D.	22.0	28.4	34.3	22.3
60	N	46	45	39	44
	MEAN	188	185	151	149
	S.D.	29.9	33.4	26.7	31.0
64	N	47	44	38	41
	MEAN	188	188	157	148
	S.D.	36.6	34.1	26.5	39.1

Covance 6329-228
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Table 9

Summary of Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

WEEK	SEX:	MALE	MALE	FEMALE	FEMALE
	GROUP:	8	9	8	9
	DOSE:	0	1	0	1
	UNITS:	PPM	PPM	PPM	PPM
68	N	43	41	39	41
	MEAN	184	195	161	158
	S.D.	42.8	26.5	37.5	26.3
72	N	38	41	36	39
	MEAN	195	189	165	158
	S.D.	34.3	40.9	40.8	25.4
76	N	37	37	28	36
	MEAN	191	193	160	156
	S.D.	43.2	24.7	27.4	29.5
80	N	34	33	28	34
	MEAN	177	181	139	132
	S.D.	36.4	19.5	23.4	40.6
84	N	32	34	26	32
	MEAN	163	176	133	138
	S.D.	51.1	21.4	39.1	36.6
88	N	26	32	25	33
	MEAN	169	173	141	137
	S.D.	40.0	27.0	27.0	36.7
92	N	22	31	21	28
	MEAN	166	167	129	127
	S.D.	43.5	31.6	40.7	34.7

Covance 6329-228
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Table 9

Summary of Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

	SEX:	MALE		FEMALE	
	GROUP:	8	9	8	9
	DOSE:	0	1	0	1
WEEK	UNITS:	PPM	PPM	PPM	PPM
96	N	20	27	17	23
	MEAN	158	157	146	124
	S.D.	41.0	42.0	20.2	48.9
100	N	14	24	15	14
	MEAN	141	173	140	139
	S.D.	65.2	29.0	32.4	31.4
104	N	8	20	12	12
	MEAN	176	167	141	144
	S.D.	44.6	35.5	32.0	28.0

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Table 10

Summary of Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

	SEX:	---MALE----	---FEMALE--
	GROUP:	9	9
	DOSE:	1	1
WEEK	UNITS:	PPM	PPM
1	N	69	57
	MEAN	0.103	0.108
	S.D.	0.007	0.010
2	N	69	55
	MEAN	0.088	0.096
	S.D.	0.007	0.009
3	N	67	66
	MEAN	0.078	0.092
	S.D.	0.008	0.013
4	N	64	58
	MEAN	0.071	0.086
	S.D.	0.004	0.011
5	N	60	53
	MEAN	0.066	0.080
	S.D.	0.004	0.005
6	N	62	52
	MEAN	0.063	0.077
	S.D.	0.003	0.007
7	N	64	56
	MEAN	0.061	0.075
	S.D.	0.005	0.008

Covance 6329-228
3M T-6316.1

Table 10

Summary of Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

WEEK		SEX: ---MALE---- GROUP: 9 DOSE: 1 UNITS: PPM	SEX: ---FEMALE-- GROUP: 9 DOSE: 1 UNITS: PPM
8	N	61	47
	MEAN	0.058	0.072
	S.D.	0.005	0.010
9	N	64	58
	MEAN	0.057	0.070
	S.D.	0.004	0.009
10	N	63	51
	MEAN	0.055	0.069
	S.D.	0.004	0.010
11	N	61	51
	MEAN	0.053	0.063
	S.D.	0.003	0.007
12	N	64	55
	MEAN	0.053	0.066
	S.D.	0.004	0.006
13	N	64	61
	MEAN	0.052	0.067
	S.D.	0.003	0.009
14	N	50	38
	MEAN	0.051	0.065
	S.D.	0.003	0.009

Covance 6329-228
3M T-6316.1

Table 10

Summary of Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

WEEK	SEX:	---MALE----	---FEMALE--
	GROUP:	9	9
	DOSE:	1	1
	UNITS:	PPM	PPM
15	N	58	54
	MEAN	0.050	0.064
	S.D.	0.003	0.012
16	N	60	48
	MEAN	0.049	0.062
	S.D.	0.003	0.006
20	N	57	52
	MEAN	0.045	0.062
	S.D.	0.003	0.012
24	N	60	55
	MEAN	0.045	0.060
	S.D.	0.004	0.009
28	N	56	57
	MEAN	0.044	0.062
	S.D.	0.004	0.008
32	N	60	59
	MEAN	0.043	0.060
	S.D.	0.003	0.010
36	N	56	54
	MEAN	0.041	0.056
	S.D.	0.003	0.007

Table 10

Summary of Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

WEEK	SEX:	---MALE----	---FEMALE--
	GROUP:	9	9
	DOSE:	1	1
	UNITS:	PPM	PPM
40	N	60	57
	MEAN	0.039	0.053
	S.D.	0.003	0.007
44	N	58	58
	MEAN	0.038	0.052
	S.D.	0.003	0.006
48	N	58	59
	MEAN	0.037	0.050
	S.D.	0.003	0.009
52	N	57	51
	MEAN	0.036	0.049
	S.D.	0.003	0.008
56	N	47	43
	MEAN	0.035	0.046
	S.D.	0.005	0.005
60	N	45	44
	MEAN	0.035	0.045
	S.D.	0.004	0.008
64	N	44	41
	MEAN	0.035	0.044
	S.D.	0.005	0.012

Covance 6329-228
3M T-6316.1

Table 10

Summary of Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

WEEK		SEX: ---MALE---- GROUP: 9 DOSE: 1 UNITS: PPM	---FEMALE-- 9 1 PPM
68	N	41	41
	MEAN	0.036	0.047
	S.D.	0.005	0.007
72	N	41	39
	MEAN	0.035	0.046
	S.D.	0.006	0.007
76	N	37	36
	MEAN	0.036	0.046
	S.D.	0.005	0.008
80	N	33	34
	MEAN	0.033	0.039
	S.D.	0.004	0.011
84	N	34	32
	MEAN	0.032	0.039
	S.D.	0.004	0.009
88	N	32	33
	MEAN	0.032	0.039
	S.D.	0.004	0.009
92	N	31	28
	MEAN	0.031	0.036
	S.D.	0.007	0.010

Covance 6329-228
3M T-6316.1

Table 10

Summary of Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

WEEK		SEX: ---MALE---- GROUP: 9 DOSE: 1 UNITS: PPM	---FEMALE-- 9 1 PPM
96	N	27	23
	MEAN	0.029	0.034
	S.D.	0.007	0.013
100	N	24	14
	MEAN	0.034	0.039
	S.D.	0.003	0.012
104	N	20	12
	MEAN	0.032	0.040
	S.D.	0.004	0.007

Covance 6329-228
3M T-6316.1

Table 11

Summary of Clinical Hematology Data

Males Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
0								
	MEAN	8.32	15.2	44.3	53.4	18.3	34.2	1094
	S.D.	.838	1.18	3.23	2.55	.80	.45	94.6
	N	10	10	10	10	10	10	10
1								
	MEAN	8.38	15.0	44.1	52.6	17.9	34.0	1094
	S.D.	.411	.64	1.62	1.35	.53	.31	90.4
	N	10	10	10	10	10	10	10

Covance 6329-228
3M T-6316.1

Table 11

Summary of Clinical Hematology Data

Males Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
0												
	MEAN	10.4	1.3	7.9	.9	.3	.0	13	76	9	3	0
	S.D.	2.18	.28	2.04	.23	.12	.00	2.6	5.2	2.9	1.3	.0
	N	10	10	10	10	10	10	10	10	10	10	10
1												
	MEAN	10.2	1.3	7.5	1.1	.3	.0	13	74	11	2	0
	S.D.	2.12	.39	1.72	.50	.18	.03	4.1	4.4	3.9	1.3	.0
	N	10	10	10	10	10	10	10	10	10	10	10

Table 11

Summary of Clinical Hematology Data

Females Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
0								
	MEAN	7.82	14.7	43.1	55.1	18.8	34.2	1064
	S.D.	.358	.73	2.10	1.05	.53	.45	88.2
	N	10	10	10	10	10	10	10
1								
	MEAN	8.01	15.2	44.2	55.3	19.0	34.4	1112
	S.D.	.350	.39	1.44	1.32	.53	.52	83.6
	N	10	10	10	10	10	10	10

Covance 6329-228
3M T-6316.1

Table 11

Summary of Clinical Hematology Data

Females Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
0												
	MEAN	7.3	.8	5.8	.5	.2	.0	12	78	7	3	0
	S.D.	2.61	.38	2.24	.16	.09	.00	4.3	4.7	1.7	.9	.0
	N	10	10	10	10	10	10	10	10	10	10	10
1												
	MEAN	6.5	.9	5.0	.4	.2	.0	15	75	7	3	0
	S.D.	1.23	.20	1.37	.17	.06	.00	5.0	8.7	3.7	1.0	.0
	N	10	10	10	10	10	10	10	10	10	10	10

Table 12

Summary of Clinical Hematology Data

Males Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
0								
	MEAN	8.22	15.2	44.6	54.3	18.5	34.0	1083
	S.D.	.430	.67	1.98	1.63	.62	.36	109.2
	N	10	10	10	10	10	10	10
1								
	MEAN	8.28	14.8	43.9	53.1	17.9 *	33.8	1112
	S.D.	.487	.78	2.19	1.28	.54	.39	83.2
	N	10	10	10	10	10	10	10

Covance 6329-228
3M T-6316.1

Table 12

Summary of Clinical Hematology Data

Males Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
0												
	MEAN	8.6	1.7	5.7	1.0	.2	.0	19	66	11	3	0
	S.D.	1.85	.81	1.12	.34	.13	.04	5.4	8.0	4.0	1.6	.5
	N	10	10	10	10	10	10	10	10	10	10	10
1												
	MEAN	8.9	1.5	5.9	1.2	.2	.1	17	66	14	2	1
	S.D.	1.34	.28	1.17	.67	.08	.13	4.0	7.6	6.2	1.0	.9
	N	10	10	10	10	10	10	10	10	10	10	10

Table 12

Summary of Clinical Hematology Data

Females Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
0								
	MEAN	7.31	13.9	40.6	55.6	19.1	34.3	1038
	S.D.	.267	.75	1.79	1.46	.66	.50	101.1
	N	10	10	10	10	10	10	10
1								
	MEAN	7.63	14.7 *	42.5 *	55.8	19.3	34.6	1098
	S.D.	.451	.54	1.93	1.45	.58	.41	161.0
	N	10	10	10	10	10	10	10

Covance 6329-228
3M T-6316.1

Table 12

Summary of Clinical Hematology Data

Females Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
0												
	MEAN	6.4	1.0	4.6	.6	.2	.0	15	73	9	2	0
	S.D.	2.32	.72	1.46	.28	.15	.00	5.7	7.7	2.3	1.2	.5
	N	10	10	10	10	10	10	10	10	10	10	10
1												
	MEAN	5.8	.9	4.2	.5	.1	.0	16	72	9	2	0
	S.D.	1.90	.30	1.63	.21	.04	.00	5.8	9.9	3.6	.8	.3
	N	10	10	10	10	10	10	10	10	10	10	10

Table 13

Summary of Clinical Hematology Data

Males Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
0								
	MEAN	8.20	15.2	42.6	52.0	18.5	35.6	1171
	S.D.	.530	.78	2.22	1.89	.69	.24	158.9
	N	10	10	10	10	10	10	10
1								
	MEAN	8.42	15.2	43.4	51.6	18.1	35.2 *	1131
	S.D.	.439	.71	1.97	2.54	1.04	.38	185.5
	N	10	10	10	10	10	10	10

Covance 6329-228
3M T-6316.1

Table 13

Summary of Clinical Hematology Data

Males Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
0												
	MEAN	6.8	2.0	3.9	.8	.1	.0	29	57	11	2	0
	S.D.	1.64	.73	1.29	.34	.05	.03	8.6	10.4	4.7	.9	.4
	N	10	10	10	10	10	10	10	10	10	10	10
1												
	MEAN	6.7	2.0	3.8	.8	.1	.0	28	57	12	2	0
	S.D.	2.12	1.17	.93	.29	.05	.00	7.3	6.7	2.7	.6	.0
	N	10	10	10	10	10	10	10	10	10	10	10

Table 13

Summary of Clinical Hematology Data

Females Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
0								
	MEAN	7.71	14.9	41.4	53.8	19.4	36.0	941
	S.D.	.362	.58	1.77	1.63	.67	.46	117.1
	N	10	10	10	10	10	10	10
1								
	MEAN	7.78	14.9	41.6	53.5	19.2	35.7	1053 *
	S.D.	.435	.46	1.16	1.75	.61	.41	102.5
	N	10	10	10	10	10	10	10

Covance 6329-228
3M T-6316.1

Table 13

Summary of Clinical Hematology Data

Females Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
0												
	MEAN	5.2	1.4	3.2	.6	.1	.0	27	60	11	2	0
	S.D.	1.64	.48	1.16	.13	.03	.00	4.7	5.8	2.3	.8	.0
	N	10	10	10	10	10	10	10	10	10	10	10
1												
	MEAN	5.1	1.3	3.2	.6	.1	.0	26	60	12	2	0
	S.D.	2.18	.73	1.66	.24	.04	.03	8.6	9.5	4.6	.7	.4
	N	10	10	10	10	10	10	10	10	10	10	10

Table 14

Summary of Clinical Chemistry Data

Males Week 4

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		PCOAO IU/G
0		
	MEAN	7
	S.D.	2.6
	N	5
1		
	MEAN	7
	S.D.	3.8
	N	5

Table 14

Summary of Clinical Chemistry Data

Females Week 4

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		PCOAO IU/G
0		
	MEAN	3
	S.D.	1.1
	N	5
1		
	MEAN	4
	S.D.	2.3
	N	5

Table 15

Summary of Clinical Chemistry Data

Males Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
0									
	MEAN	113	14	.7	6.9	4.8	2.1	.0	59
	S.D.	9.6	2.1	.10	.40	.22	.28	.05	7.0
	N	10	10	10	10	10	10	10	10
1									
	MEAN	114	13	.6	7.0	4.7	2.3	.0	63
	S.D.	7.4	2.1	.11	.32	.19	.26	.05	12.8
	N	10	10	10	10	10	10	10	10

Table 15

Summary of Clinical Chemistry Data

Males Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
0									
	MEAN	110	39	2	10.6	7.3	147	5.9	106
	S.D.	21.4	8.1	2.1	.19	.63	.8	.39	1.9
	N	10	10	10	10	10	10	10	10
1									
	MEAN	111	48	3	10.6	7.0	147	6.3 *	107
	S.D.	14.9	21.2	2.2	.24	.31	.8	.31	.6
	N	10	10	10	10	10	10	10	10

Table 15

Summary of Clinical Chemistry Data

Females Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
0									
	MEAN	114	14	.8	8.2	6.1	2.1	.2	94
	S.D.	8.7	2.3	.14	.60	.52	.22	.16	22.1
	N	10	10	10	10	10	10	10	10
1									
	MEAN	110	15	.7	7.9	5.8	2.1	.1	88
	S.D.	3.8	2.4	.12	.68	.66	.27	.13	20.3
	N	10	10	10	10	10	10	10	10

Table 15

Summary of Clinical Chemistry Data

Females Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
0									
	MEAN	110	44	2	11.4	6.0	145	5.8	106
	S.D.	58.6	24.9	1.3	.54	.44	1.6	.38	1.8
	N	10	10	10	10	10	10	10	10
1									
	MEAN	108	44	2	11.2	6.4 *	147 *	6.0	107
	S.D.	24.1	19.1	2.0	.29	.43	.8	.36	2.2
	N	10	10	10	10	10	10	10	10

Table 15

Summary of Clinical Chemistry Data

Males Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		PCOAO IU/G
0		
	MEAN	6
	S.D.	1.3
	N	5
1		
	MEAN	5
	S.D.	1.1
	N	5

Table 15

Summary of Clinical Chemistry Data

Females Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		PCOAO IU/G
0		
	MEAN	3
	S.D.	.9
	N	5
1		
	MEAN	5
	S.D.	1.6
	N	5

Table 16

Summary of Clinical Chemistry Data

Males Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
0									
	MEAN	103	12	.6	6.9	4.6	2.2	.1	75
	S.D.	10.1	1.2	.06	.32	.17	.28	.05	12.5
	N	10	10	10	10	10	10	10	10
1									
	MEAN	111 *	13	.6	7.1	4.6	2.5	.2	84
	S.D.	7.3	.9	.04	.29	.18	.25	.05	17.1
	N	10	10	10	10	10	10	10	10

Table 16

Summary of Clinical Chemistry Data

Males Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
0									
	MEAN	120	43	2	10.6	7.0	146	5.9	105
	S.D.	21.8	23.3	.8	.16	.41	1.2	.34	2.0
	N	10	10	10	10	10	10	10	10
1									
	MEAN	110	45	1	10.8 *	7.0	147	6.3 *	105
	S.D.	20.4	18.1	.8	.20	.47	1.1	.29	2.6
	N	10	10	10	10	10	10	10	10

Table 16

Summary of Clinical Chemistry Data

Females Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
0									
	MEAN	106	14	.7	8.3	6.1	2.2	.2	117
	S.D.	8.0	1.7	.03	.41	.32	.23	.00	27.5
	N	10	10	10	10	10	10	10	10
1									
	MEAN	104	13	.7 *	8.2	5.9	2.3	.2	111
	S.D.	7.2	2.2	.05	.45	.64	.50	.06	33.8
	N	10	10	10	10	10	10	10	10

Table 16

Summary of Clinical Chemistry Data

Females Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
0									
	MEAN	115	58	2	11.3	5.6	144	5.2	103
	S.D.	50.2	38.8	1.9	.38	.59	1.3	.50	2.7
	N	10	10	10	10	10	10	10	10
1									
	MEAN	178	96	4	11.2	6.1	146 *	5.5	104
	S.D.	168.9	113.8	6.3	.43	.59	1.3	.54	2.3
	N	10	10	10	10	10	10	10	10

Table 17

Summary of Clinical Chemistry Data

Males Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
0									
	MEAN	119	12	.7	7.1	4.6	2.5	.2	105
	S.D.	19.5	2.0	.09	.35	.37	.29	.05	33.8
	N	10	10	10	10	10	10	10	10
1									
	MEAN	127	12	.7	7.1	4.6	2.5	.2	102
	S.D.	13.2	2.3	.03	.31	.31	.30	.05	42.1
	N	10	10	10	10	10	10	10	10

Table 17

Summary of Clinical Chemistry Data

Males Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
0									
	MEAN	108	77	2	10.3	6.2	149	6.1	106
	S.D.	55.4	118.8	1.1	.55	.89	3.5	.58	3.0
	N	10	10	10	10	10	10	10	10
1									
	MEAN	110	42	1	10.5	6.4	150	6.4	107
	S.D.	40.0	12.3	1.3	.34	.53	4.3	.50	3.8
	N	10	10	10	10	10	10	10	10

Table 17

Summary of Clinical Chemistry Data

Females Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
0									
	MEAN	113	11	.8	8.4	5.9	2.4	.3	142
	S.D.	17.5	1.1	.07	.44	.36	.34	.22	34.0
	N	10	10	10	10	10	10	10	10
1									
	MEAN	108	14 *	.8	8.5	5.8	2.7	.2	126
	S.D.	8.9	2.5	.07	.47	.40	.41	.06	20.8
	N	10	10	10	10	10	10	10	10

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Table 17

Summary of Clinical Chemistry Data

Females Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
0									
	MEAN	100	54	2	11.1	5.4	147	5.4	102
	S.D.	29.1	24.7	1.0	.44	1.05	4.1	.37	2.6
	N	10	10	10	10	10	10	10	10
1									
	MEAN	156	72	2	11.0	5.7	147	5.3	104
	S.D.	160.1	62.1	2.6	.50	1.14	2.3	.68	3.0
	N	10	10	10	10	10	10	10	10

Table 18

Summary of Clinical Urinalysis Data

Males Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		U VOL ML	SP GR	U PH
0				
	MEAN	22.7	1.015	7.1
	S.D.	15.31	.0116	.32
	N	10	10	10
1				
	MEAN	21.9	1.017	7.2
	S.D.	13.22	.0085	.24
	N	10	10	10

Table 18

Summary of Clinical Urinalysis Data

Females Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		U VOL ML	SP GR	U PH
0				
	MEAN	12.5	1.017	6.8
	S.D.	13.88	.0078	.26
	N	10	10	10
1				
	MEAN	22.0	1.012	6.7
	S.D.	18.74	.0112	.26
	N	10	10	10

Table 19

Summary of Clinical Urinalysis Data

Males Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		U VOL ML	SP GR	U PH
0				
	MEAN	13.8	1.022	6.9
	S.D.	12.00	.0081	.39
	N	10	10	10
1				
	MEAN	15.4	1.026	7.0
	S.D.	13.27	.0125	.28
	N	10	10	10

Table 19

Summary of Clinical Urinalysis Data

Females Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		U VOL ML	SP GR	U PH
0				
	MEAN	17.1	1.019	6.6
	S.D.	17.79	.0134	.21
	N	10	10	10
1				
	MEAN	20.0	1.018	6.6
	S.D.	17.04	.0126	.16
	N	10	10	10

Table 20

Summary of Clinical Urinalysis Data

Males Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		U VOL ML	SP GR	U PH
0				
	MEAN	14.7	1.026	7.0
	S.D.	12.83	.0110	.33
	N	10	10	10
1				
	MEAN	10.5	1.030	6.9
	S.D.	6.47	.0123	.21
	N	10	10	10

Table 20

Summary of Clinical Urinalysis Data

Females Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		U VOL ML	SP GR	U PH
0				
	MEAN	27.2	1.014	6.5
	S.D.	19.88	.0106	.24
	N	10	10	10
1				
	MEAN	13.0	1.019	6.5
	S.D.	10.19	.0093	.33
	N	10	10	10

Table 21

Summary of Urine Chemistry Data

Males Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
0					
	MEAN	24	80	.35	1.06
	S.D.	16.7	72.9	.079	.227
	N	10	10	9	9
1					
	MEAN	30	89	.51 *	1.53 *
	S.D.	14.3	43.9	.151	.425
	N	10	10	9	9

Table 21

Summary of Urine Chemistry Data

Females Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
0					
	MEAN	26	76	.22	.64
	S.D.	12.0	34.6	.119	.273
	N	10	10	9	9
1					
	MEAN	18	51	.22	.56
	S.D.	12.0	41.3	.126	.333
	N	10	10	8	8

Table 22

Summary of Urine Chemistry Data

Males Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
0					
	MEAN	18	112	.18	1.11
	S.D.	9.3	52.8	.062	.383
	N	10	10	10	10
1					
	MEAN	26	151	.24	1.34
	S.D.	18.7	123.3	.135	.363
	N	10	10	9	9

Table 22

Summary of Urine Chemistry Data

Females Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
0					
	MEAN	16	101	.08	.61
	S.D.	16.3	83.6	.025	.212
	N	10	10	8	8
1					
	MEAN	10	70	.14 *	.96 *
	S.D.	7.1	47.4	.057	.383
	N	9	9	9	9

Table 23

Summary of Urine Chemistry Data

Males Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
0					
	MEAN	20	143	.23	1.61
	S.D.	13.0	68.2	.135	.579
	N	10	10	9	9
1					
	MEAN	26	165	.20	1.29
	S.D.	17.9	88.6	.100	.256
	N	10	10	10	10

Table 23

Summary of Urine Chemistry Data

Females Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

DOSE ppm		U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
0					
	MEAN	13	64	.25	.93
	S.D.	9.6	48.6	.191	.569
	N	10	10	6	6
1					
	MEAN	20	118	.18	.93
	S.D.	14.9	101.1	.085	.290
	N	10	10	10	10

Table 24

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Summary of Organ Weight Data

Week 4 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=1;SUBSET=T

LIVER

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	8	NUMBER IN GROUP:	5	5	5	
		MEAN:	314.0	11.5023	3.6573	
		STANDARD DEV:	18.3	1.4141	0.3062	
M	9	NUMBER IN GROUP:	5	5	5	
		MEAN:	308.7	11.1683	3.6223	
		STANDARD DEV:	14.1	0.9088	0.3092	
F	8	NUMBER IN GROUP:	5	5	5	
		MEAN:	199.2	7.7008	3.8600	
		STANDARD DEV:	14.9	0.9577	0.2780	
F	9	NUMBER IN GROUP:	5	5	5	
		MEAN:	218.0	8.1095	3.7211	
		STANDARD DEV:	20.1	1.1330	0.3797	

Table 25

Covance 6329-228
3M T-6316.1

Summary of Organ Weight Data

Week 14 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=2;SUBSET=T

LIVER

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	8				
NUMBER IN GROUP:		5	5	5	
MEAN:		501.8	14.4950	2.8829	
STANDARD DEV:		59.4	2.0800	0.1069	
M	9				
NUMBER IN GROUP:		5	4	4	
MEAN:		525.2	16.6952	3.1146	
STANDARD DEV:		47.7	2.7892	0.2426	

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
F	8				
NUMBER IN GROUP:		5	5	5	
MEAN:		270.7	8.0939	3.0001	
STANDARD DEV:		16.9	0.4382	0.2600	
F	9				
NUMBER IN GROUP:		5	5	5	
MEAN:		254.9	7.5958	2.9983	
STANDARD DEV:		23.0	0.1717	0.2565	

Table 26

Covance 6329-228
3M T-6316.1

Summary of Organ Weight Data

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=3;SUBSET=ALL

LEFT ADRENAL

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	8				
	NUMBER IN GROUP:	10	10	10	10
	MEAN:	721.2	0.0309	0.0043	0.0128
	STANDARD DEV:	89.7	0.0067	0.0007	0.0026
M	9				
	NUMBER IN GROUP:	10	10	10	10
	MEAN:	725.1	0.0334	0.0046	0.0140
	STANDARD DEV:	76.6	0.0053	0.0007	0.0021
F	8				
	NUMBER IN GROUP:	10	10	10	10
	MEAN:	412.5	0.0525	0.0133	0.0244
	STANDARD DEV:	85.7	0.0225	0.0068	0.0115
F	9				
	NUMBER IN GROUP:	10	10	10	10
	MEAN:	396.4	0.0435	0.0111	0.0212
	STANDARD DEV:	49.5	0.0075	0.0022	0.0030

Table 26

Covance 6329-228
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Summary of Organ Weight Data

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=3;SUBSET=ALL

RIGHT ADRENAL

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	8	NUMBER IN GROUP:	10	10	10	10
		MEAN:	721.2	0.0320	0.0045	0.0132
		STANDARD DEV:	89.7	0.0046	0.0006	0.0016
M	9	NUMBER IN GROUP:	10	10	10	10
		MEAN:	725.1	0.0286	0.0040	0.0120
		STANDARD DEV:	76.6	0.0034	0.0007	0.0014
F	8	NUMBER IN GROUP:	10	10	10	10
		MEAN:	412.5	0.0384	0.0096	0.0177
		STANDARD DEV:	85.7	0.0086	0.0031	0.0042
F	9	NUMBER IN GROUP:	10	10	10	10
		MEAN:	396.4	0.0379	0.0096	0.0186
		STANDARD DEV:	49.5	0.0072	0.0019	0.0036

Table 26

Covance 6329-228
3M T-6316.1

Summary of Organ Weight Data

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=3;SUBSET=ALL

BRAIN

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	8				
	NUMBER IN GROUP:	10	10	10	10
	MEAN:	721.2	2.4158	0.3385	1.0000
	STANDARD DEV:	89.7	0.1977	0.0420	0.0000
M	9				
	NUMBER IN GROUP:	10	10	10	10
	MEAN:	725.1	2.3887	0.3324	1.0000
	STANDARD DEV:	76.6	0.0908	0.0345	0.0000
F	8				
	NUMBER IN GROUP:	10	10	10	10
	MEAN:	412.5	2.1708	0.5433	1.0000
	STANDARD DEV:	85.7	0.1447	0.0978	0.0000
F	9				
	NUMBER IN GROUP:	10	10	10	10
	MEAN:	396.4	2.0441	0.5221	1.0000
	STANDARD DEV:	49.5	0.0983	0.0618	0.0000

Table 26

Covance 6329-228
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Summary of Organ Weight Data

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=3;SUBSET=ALL

LEFT KIDNEY

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	8				
NUMBER IN GROUP:		10	10	10	10
MEAN:		721.2	2.3570	0.3279	0.9754
STANDARD DEV:		89.7	0.2803	0.0270	0.0820
M	9				
NUMBER IN GROUP:		10	10	10	10
MEAN:		725.1	2.2022	0.3056	0.9215
STANDARD DEV:		76.6	0.3009	0.0435	0.1177

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
F	8				
NUMBER IN GROUP:		10	10	10	10
MEAN:		412.5	1.4112	0.3461	0.6518
STANDARD DEV:		85.7	0.2048	0.0284	0.0994
F	9				
NUMBER IN GROUP:		10	10	10	10
MEAN:		396.4	1.3218	0.3353	0.6460
STANDARD DEV:		49.5	0.1769	0.0394	0.0730

Table 26

Covance 6329-228
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Summary of Organ Weight Data

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=3;SUBSET=ALL

RIGHT KIDNEY

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	8	NUMBER IN GROUP:	10	10	10	10
		MEAN:	721.2	2.3234	0.3234	0.9622
		STANDARD DEV:	89.7	0.2897	0.0315	0.0962
M	9	NUMBER IN GROUP:	10	10	10	10
		MEAN:	725.1	2.2647	0.3144	0.9474
		STANDARD DEV:	76.6	0.3230	0.0491	0.1257
F	8	NUMBER IN GROUP:	10	10	10	10
		MEAN:	412.5	1.4370	0.3507	0.6636
		STANDARD DEV:	85.7	0.2720	0.0371	0.1305
F	9	NUMBER IN GROUP:	10	10	10	10
		MEAN:	396.4	1.3601	0.3449	0.6642
		STANDARD DEV:	49.5	0.2061	0.0481	0.0832

Table 26

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Summary of Organ Weight Data

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=3;SUBSET=ALL

LIVER

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	8				
	NUMBER IN GROUP:	10	10	10	10
	MEAN:	721.2	20.2343	2.8067	8.3464
	STANDARD DEV:	89.7	4.2122	0.4847	1.4431
M	9				
	NUMBER IN GROUP:	10	10	10	10
	MEAN:	725.1	20.3650	2.8120	8.5202
	STANDARD DEV:	76.6	2.9205	0.3074	1.1115
F	8				
	NUMBER IN GROUP:	10	10	10	10
	MEAN:	412.5	11.3196	2.7467	5.2305
	STANDARD DEV:	85.7	2.4524	0.1596	1.1889
F	9				
	NUMBER IN GROUP:	10	10	10	10
	MEAN:	396.4	10.9316	2.7642	5.3527
	STANDARD DEV:	49.5	1.4863	0.2431	0.7110

Table 26

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3M T-6316.1

Summary of Organ Weight Data

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=3;SUBSET=ALL

LUNG

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	8	NUMBER IN GROUP:	10	10	10	10
		MEAN:	721.2	2.1758	0.3044	0.9008
		STANDARD DEV:	89.7	0.2190	0.0381	0.0625
M	9	NUMBER IN GROUP:	10	10	10	10
		MEAN:	725.1	2.0380	0.2845	0.8542
		STANDARD DEV:	76.6	0.1979	0.0431	0.0877
F	8	NUMBER IN GROUP:	10	10	10	10
		MEAN:	412.5	1.6720	0.4216	0.7736
		STANDARD DEV:	85.7	0.2500	0.1081	0.1347
F	9	NUMBER IN GROUP:	10	10	10	10
		MEAN:	396.4	1.4877	0.3787	0.7284
		STANDARD DEV:	49.5	0.1285	0.0404	0.0599

Table 26

Covance 6329-228
3M T-6316.1

Summary of Organ Weight Data

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=3;SUBSET=ALL

LEFT OVARY

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	8	NUMBER IN GROUP:	10			
		MEAN:	721.2			
		STANDARD DEV:	89.7			
M	9	NUMBER IN GROUP:	10			
		MEAN:	725.1			
		STANDARD DEV:	76.6			
F	8	NUMBER IN GROUP:	10	10	10	10
		MEAN:	412.5	0.0564	0.0143	0.0263
		STANDARD DEV:	85.7	0.0161	0.0053	0.0083
F	9	NUMBER IN GROUP:	10	10	10	10
		MEAN:	396.4	0.0611	0.0155	0.0297
		STANDARD DEV:	49.5	0.0183	0.0047	0.0081

Table 26

Covance 6329-228
3M T-6316.1

Summary of Organ Weight Data

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=3;SUBSET=ALL

RIGHT OVARY

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	8				
	NUMBER IN GROUP:	10			
	MEAN:	721.2			
	STANDARD DEV:	89.7			
M	9				
	NUMBER IN GROUP:	10			
	MEAN:	725.1			
	STANDARD DEV:	76.6			
F	8				
	NUMBER IN GROUP:	10	10	10	10
	MEAN:	412.5	0.0544	0.0140	0.0253
	STANDARD DEV:	85.7	0.0176	0.0059	0.0090
F	9				
	NUMBER IN GROUP:	10	10	10	10
	MEAN:	396.4	0.0624	0.0160	0.0305
	STANDARD DEV:	49.5	0.0105	0.0035	0.0044

Table 26

Covance 6329-228
3M T-6316.1

Summary of Organ Weight Data

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=3;SUBSET=ALL

SPLEEN

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	8	NUMBER IN GROUP:	10	10	10	10
		MEAN:	721.2	1.0371	0.1430	0.4265
		STANDARD DEV:	89.7	0.2467	0.0218	0.0763
M	9	NUMBER IN GROUP:	10	10	10	10
		MEAN:	725.1	1.1631	0.1618	0.4862
		STANDARD DEV:	76.6	0.2368	0.0364	0.0943
F	8	NUMBER IN GROUP:	10	10	10	10
		MEAN:	412.5	0.5884	0.1446	0.2721
		STANDARD DEV:	85.7	0.0964	0.0191	0.0491
F	9	NUMBER IN GROUP:	10	10	10	10
		MEAN:	396.4	0.5933	0.1516	0.2911
		STANDARD DEV:	49.5	0.1075	0.0313	0.0554

Table 26

Covance 6329-228
3M T-6316.1

Summary of Organ Weight Data

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=3;SUBSET=ALL

LEFT TESTIS

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	8	NUMBER IN GROUP:	10	10	10	10
		MEAN:	721.2	1.8105	0.2529	0.7539
		STANDARD DEV:	89.7	0.1543	0.0240	0.0873
M	9	NUMBER IN GROUP:	10	10	10	10
		MEAN:	725.1	1.7120	0.2403	0.7138
		STANDARD DEV:	76.6	0.3999	0.0685	0.1556
F	8	NUMBER IN GROUP:	10			
		MEAN:	412.5			
		STANDARD DEV:	85.7			
F	9	NUMBER IN GROUP:	10			
		MEAN:	396.4			
		STANDARD DEV:	49.5			

Table 26

Covance 6329-228
3M T-6316.1

Summary of Organ Weight Data

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=3;SUBSET=ALL

RIGHT TESTIS

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	8	NUMBER IN GROUP:	10	10	10	10
		MEAN:	721.2	1.8082	0.2523	0.7536
		STANDARD DEV:	89.7	0.1769	0.0226	0.1006
M	9	NUMBER IN GROUP:	10	10	10	10
		MEAN:	725.1	1.8413	0.2571	0.7703
		STANDARD DEV:	76.6	0.2307	0.0479	0.0872
F	8	NUMBER IN GROUP:	10			
		MEAN:	412.5			
		STANDARD DEV:	85.7			
F	9	NUMBER IN GROUP:	10			
		MEAN:	396.4			
		STANDARD DEV:	49.5			

Table 26

Covance 6329-228
3M T-6316.1

Summary of Organ Weight Data

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=3;SUBSET=ALL

LF THYROID/PARA

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	8				
	NUMBER IN GROUP:	10	10	10	10
	MEAN:	721.2	0.0232	0.0032	0.0096
	STANDARD DEV:	89.7	0.0067	0.0007	0.0026
M	9				
	NUMBER IN GROUP:	10	10	10	10
	MEAN:	725.1	0.0202	0.0028	0.0085
	STANDARD DEV:	76.6	0.0050	0.0008	0.0021
F	8				
	NUMBER IN GROUP:	10	10	10	10
	MEAN:	412.5	0.0142	0.0035	0.0066
	STANDARD DEV:	85.7	0.0032	0.0007	0.0017
F	9				
	NUMBER IN GROUP:	10	10	10	10
	MEAN:	396.4	0.0177	0.0045	0.0087
	STANDARD DEV:	49.5	0.0066	0.0016	0.0034

Table 26

Covance 6329-228
3M T-6316.1

Summary of Organ Weight Data

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=3;SUBSET=ALL

RT THYROID/PARA

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	8				
NUMBER IN GROUP:		10	10	10	10
MEAN:		721.2	0.0251	0.0035	0.0104
STANDARD DEV:		89.7	0.0079	0.0009	0.0030
M	9				
NUMBER IN GROUP:		10	10	10	10
MEAN:		725.1	0.0242	0.0034	0.0101
STANDARD DEV:		76.6	0.0060	0.0009	0.0023

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
F	8				
NUMBER IN GROUP:		10	10	10	10
MEAN:		412.5	0.0142	0.0035	0.0066
STANDARD DEV:		85.7	0.0025	0.0005	0.0013
F	9				
NUMBER IN GROUP:		10	10	10	10
MEAN:		396.4	0.0147	0.0037	0.0072
STANDARD DEV:		49.5	0.0044	0.0010	0.0020

Table 26

Covance 6329-228
3M T-6316.1

Summary of Organ Weight Data

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=3;SUBSET=ALL

UTERUS

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	8				
	NUMBER IN GROUP:	10			
	MEAN:	721.2			
	STANDARD DEV:	89.7			
M	9				
	NUMBER IN GROUP:	10			
	MEAN:	725.1			
	STANDARD DEV:	76.6			
F	8				
	NUMBER IN GROUP:	10	10	10	10
	MEAN:	412.5	1.0319	0.2563	0.4776
	STANDARD DEV:	85.7	0.1956	0.0631	0.1015
F	9				
	NUMBER IN GROUP:	10	10	10	10
	MEAN:	396.4	1.0749	0.2753	0.5268
	STANDARD DEV:	49.5	0.2526	0.0763	0.1225

Table 27

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

Week 4 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=1;SUBSET=T

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
	SEX:	--MALE--		-FEMALE-	
	GROUP:	-8-	-9-	-8-	-9-
	NUMBER:	5	5	5	5
** TOP OF LIST **					
LIVER (LI)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
** END OF LIST **					

Table 28

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

Week 14 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=2;SUBSET=T

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
	SEX:	--MALE--		-FEMALE-	
	GROUP:	-8-	-9-	-8-	-9-
	NUMBER:	5	5	5	5
** TOP OF LIST **					
LIVER (LI)	NUMBER EXAMINED:	5	5	5	5
	NOT REMARKABLE:	5	5	5	5
** END OF LIST **					

Table 29

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=3;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
	SEX:	--MALE--		-FEMALE-	
	GROUP:	-8-	-9-	-8-	-9-
	NUMBER:	10	10	10	10
** TOP OF LIST **					
GENERAL COMMENT (GC)	NUMBER EXAMINED:	10	10	10	10
NO MACROSCOPIC LESIONS		1	4	2	2
MALOCCLUSION		0	0	1	1
ANIMAL OBESE		7	3	0	1
BONE MARROW SMEAR TAKEN		10	10	10	10
TEETH MISSING/BROKEN/WORN		0	0	1	0
BONE, FEMUR (FE)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	10	10
MARROW, FEMUR (FM)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	10	10
MARROW, STERNUM (SE)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	10	10
BONE, STERNUM (SB)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	10	10
EYE (EY)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	10	10

Table 29

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=3;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-8-	-9-	-8-	-9-
NUMBER:		10	10	10	10
BRAIN (BR)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	10	9
COMPRESSED (HYPOTHALAMUS)		0	0	0	1
SPINAL CORD (SC)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	10	10
LUNG (LU)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	9	10
LIGHT FOCUS(I)/AREA(S)		0	0	1	0
KIDNEY (KD)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	9	10	9
LARGE PELVIS(ES)		0	1	0	0
CYST(S)		0	0	0	1
LIVER (LI)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	8	10	9	10
LIGHT FOCUS(I)/AREA(S)		1	0	0	0
MOTTLED		1	0	0	0
RED FOCUS(I)/AREA(S)		0	0	1	0

Table 29

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=3;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- NUMBER-OF-ANIMALS-AFFECTED ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-8-	-9-	-8-	-9-
NUMBER:		10	10	10	10
HEART (HT)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	10	10
MUSCLE, SKELETAL (SM)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	10	10
NERVE, SCIATIC (SN)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	10	10
LN, MESENTERIC (MS)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	10	10
SPLEEN (SP)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	9	10	10
LIGHT FOCUS(I)/AREA(S)		0	1	0	0
THYMUS (TH)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	10	10
ESOPHAGUS (ES)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	10	10

Table 29

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=3;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-8-	-9-	-8-	-9-
NUMBER:		10	10	10	10
THYROID (TY)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	10	10
PARATHYROID (PT)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	10	10
TRACHEA (TR)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	10	10
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	9	10
LARGE		0	0	1	0
ADRENAL, MEDULLA (MA)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	10	10
PITUITARY (PI)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	9	5	8
DARK FOCUS(I)/AREA(S)		0	0	1	0
LARGE		0	1	4	2
DIFFUSELY RED		0	0	0	1

** CONTINUED ON NEXT PAGE **

Table 29

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=3;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- NUMBER-OF-ANIMALS-AFFECTED ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-8-	-9-	-8-	-9-
NUMBER:		10	10	10	10
** FROM PREVIOUS PAGE **					
PITUITARY (PI)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	9	5	8
RED FOCUS(I)/AREA(S)		0	0	2	1
HARDERIAN GLAND (HG)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	10	10
SALIV GL, MANDIB (SG)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	10	10
PANCREAS (PA)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	10	10
STOMACH, GL (ST)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	8	10
DARK FOCUS(I)/AREA(S)		0	0	2	0
STOMACH, NONGL (SU)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	10	10

Table 29

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=3;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
	SEX:	--MALE--		-FEMALE-	
	GROUP:	-8-	-9-	-8-	-9-
	NUMBER:	10	10	10	10
DUODENUM (DU)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	10	10
JEJUNUM (JE)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	10	10
ILEUM (IL)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	10	10
CECUM (CE)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	10	10
COLON (CO)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	10	10
RECTUM (RE)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	10	10

Table 29

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=3;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-8-	-9-	-8-	-9-
NUMBER:		10	10	10	10
SKIN (SK)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	10	9
CRUSTED AREA(S)		0	0	0	1
MAMMARY, FEMALE (MF)	NUMBER EXAMINED:	0	0	10	10
	NOT REMARKABLE:	0	0	6	5
MASS(ES)		0	0	1	2
CYST(S)		0	0	3	4
URINARY BLADDER (UB)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	10	10
CERVIX (CV)	NUMBER EXAMINED:	0	0	10	10
	NOT REMARKABLE:	0	0	10	10
UTERUS (UT)	NUMBER EXAMINED:	0	0	10	10
	NOT REMARKABLE:	0	0	10	9
CYST(S)		0	0	0	1
OVARY (OV)	NUMBER EXAMINED:	0	0	10	10
	NOT REMARKABLE:	0	0	10	10

Table 29

Incidence of Macroscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=3;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-8-	-9-	-8-	-9-
NUMBER:		10	10	10	10
VAGINA (VA)	NUMBER EXAMINED:	0	0	10	10
	NOT REMARKABLE:	0	0	10	10
PROSTATE (PR)	NUMBER EXAMINED:	10	10	0	0
	NOT REMARKABLE:	10	10	0	0
SEMINAL VESICLES (SV)	NUMBER EXAMINED:	10	10	0	0
	NOT REMARKABLE:	10	10	0	0
EPIDIDYMIDES (EP)	NUMBER EXAMINED:	10	10	0	0
	NOT REMARKABLE:	10	10	0	0
TESTIS (TE)	NUMBER EXAMINED:	10	10	0	0
	NOT REMARKABLE:	10	9	0	0
SMALL		0	1	0	0
CAVITY, ORAL (OC)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	10	10
URETER (UE)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	10	10

Table 29

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=3;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-8-	-9-	-8-	-9-
NUMBER:		10	10	10	10
CALVARIUM/SKULL (CA)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	10	10
LN, AXILLARY (AX)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	9	10
DIFFUSELY RED		0	0	1	0
LN, MEDIASTINAL (ML)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	10	10
LN, MANDIBULAR (MN)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	8	7
DIFFUSELY RED		0	0	2	2
MOTTLED		0	0	0	1
ADRENAL (AD)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	10	10
FOOT/FOOTPAD (FP)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	10	10

Table 29

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=3;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-8-	-9-	-8-	-9-
NUMBER:		10	10	10	10
TAIL (TI)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	10	10
MAMMARY, MALE (MM)	NUMBER EXAMINED:	10	10	0	0
	NOT REMARKABLE:	10	10	0	0
LN, LUMBAR/ILIAC (LM)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	10	10
AORTA (AO)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	10	10
LN, RENAL (RL)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	10	10
LN, INGUINAL (IN)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	10	10
CAVITY, ABDOM (PC)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	10	10

Table 29

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=3;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-8-	-9-	-8-	-9-
NUMBER:		10	10	10	10
AUDITORY SEB GL (AS)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	10	10
BILE DUCT (BD)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	10	10
ADIPOSE TISSUE (AT)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	10	10
LN, OTHER (LN)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	10	10
LN, ANT MES/PANC (AP)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	10	10
JOINT, OTHER (JT)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	10	10
LN, POPLITEAL (PP)	NUMBER EXAMINED:	10	10	10	10
	NOT REMARKABLE:	10	10	10	10

** END OF LIST **

Table 30

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

Terminal Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=T;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
	SEX:	--MALE--		-FEMALE-	
	GROUP:	-8-	-9-	-8-	-9-
	NUMBER:	11	20	13	15
** TOP OF LIST **					
GENERAL COMMENT (GC)	NUMBER EXAMINED:	11	20	13	15
NO MACROSCOPIC LESIONS		0	1	0	0
BLOOD FILM TAKEN		11	20	13	14
MALOCCLUSION		1	1	1	1
STAINS-PERINEUM/PERIANAL		3	1	0	0
ANIMAL OBESE		1	0	0	0
DISCHARGE-OCULAR		2	0	0	1
ANIMAL THIN		3	1	1	0
BONE MARROW SMEAR TAKEN		11	20	13	14
TEETH MISSING/BROKEN/WORN		1	0	1	1
STAINS - SKIN/HAIRCOAT		0	0	2	1
BONE, FEMUR (FE)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	11	20	13	15
MARROW, FEMUR (FM)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	11	20	13	15
MARROW, STERNUM (SE)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	11	20	13	15

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Covance 6329-228
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Incidence of Macroscopic Observations

Terminal Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=T;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-8-	-9-	-8-	-9-
NUMBER:		11	20	13	15
BONE, STERNUM (SB)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	11	20	13	15
EYE (EY)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	11	19	13	15
WHITE INTRAOCULAR MATERIAL		0	1	0	0
BRAIN (BR)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	7	18	8	5
COMPRESSED (HYPOTHALAMUS)		4	2	5	10
SPINAL CORD (SC)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	11	20	13	15
LUNG (LU)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	11	19	13	14
LIGHT FOCUS(I)/AREA(S)		0	0	0	1
MOTTLED		0	1	0	0

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Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

Terminal Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=T;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-8-	-9-	-8-	-9-
NUMBER:		11	20	13	15
KIDNEY (KD)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	8	16	13	15
LARGE PELVIS(ES)		1	2	0	0
ROUGH SURFACE, DIFFUSE		1	2	0	0
MASS(ES)		1	0	0	0
GRANULAR MATERIAL		1	1	0	0
DIFFUSELY LIGHT		1	3	0	0
LARGE		0	2	0	0
LIVER (LI)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	6	9	6	6
LIGHT FOCUS(I)/AREA(S)		0	2	2	0
MOTTLED		0	1	1	0
RED FOCUS(I)/AREA(S)		4	7	3	4
DIFFUSELY LIGHT		0	1	0	0
MASS(ES)		1	1	0	0
LARGE		0	1	1	0
RAISED FOCUS(I)/AREA(S)		0	0	0	1
CYST(S)		0	0	0	1
DARK FOCUS(I)/AREA(S)		0	1	0	3
HEART (HT)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	11	20	12	15
LIGHT FOCUS(I)/AREA(S)		0	0	1	0

Table 30

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

Terminal Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=T;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
	SEX:	--MALE--		-FEMALE-	
	GROUP:	-8-	-9-	-8-	-9-
	NUMBER:	11	20	13	15
MUSCLE, SKELETAL (SM)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	11	20	13	14
MASS(ES)		0	0	0	1
NERVE, SCIATIC (SN)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	11	20	13	15
LN, MESENTERIC (MS)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	11	18	13	15
DIFFUSELY RED		0	2	0	0
LARGE		0	1	0	0
SPLEEN (SP)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	11	17	12	14
LARGE		0	1	1	1
RAISED FOCUS(I)/AREA(S)		0	2	0	0
THYMUS (TH)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	11	20	12	15
MASS(ES)		0	0	1	0

Table 30

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

Terminal Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=T;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-8-	-9-	-8-	-9-
NUMBER:		11	20	13	15
ESOPHAGUS (ES)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	11	20	13	15
THYROID (TY)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	10	19	13	15
LARGE		1	1	0	0
PARATHYROID (PT)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	10	20	13	14
LARGE		1	0	0	1
TRACHEA (TR)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	11	20	13	15
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	11	20	8	12
LARGE		0	0	2	3
DARK FOCUS(I)/AREA(S)		0	0	1	0
MASS(ES)		0	0	2	0
ADRENAL, MEDULLA (MA)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	11	20	13	15

Table 30

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

Terminal Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=T;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-8-	-9-	-8-	-9-
NUMBER:		11	20	13	15
PITUITARY (PI)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	4	11	2	3
MASS(ES)		5	2	7	10
LARGE		1	0	2	1
DIFFUSELY RED		0	1	1	0
RED FOCUS(I)/AREA(S)		1	5	1	1
RAISED AREA(S)		1	0	1	0
CYST(S)		0	1	0	0
HARDERIAN GLAND (HG)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	11	20	13	15
SALIV GL, MANDIB (SG)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	11	20	13	15
PANCREAS (PA)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	10	18	12	15
LARGE VESSELS		1	0	0	0
MASS(ES)		0	2	1	0

Table 30

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

Terminal Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=T;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-8-	-9-	-8-	-9-
NUMBER:		11	20	13	15
STOMACH, GL (ST)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	7	14	12	14
DARK FOCUS(I)/AREA(S)		1	3	1	0
EROSION/ULCERATION		2	0	0	0
THICKENED WALL		1	4	0	1
STOMACH, NONGL (SU)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	11	19	13	15
EROSION/ULCERATION		0	1	0	0
DUODENUM (DU)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	11	20	13	15
JEJUNUM (JE)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	11	20	12	15
DIVERTICULUM(A)		0	0	1	0
ILEUM (IL)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	11	20	13	15
CECUM (CE)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	11	20	13	15

Table 30

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

Terminal Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=T;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
	SEX:	--MALE--		-FEMALE-	
	GROUP:	-8-	-9-	-8-	-9-
	NUMBER:	11	20	13	15
COLON (CO)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	11	20	13	15
RECTUM (RE)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	11	20	13	15
SKIN (SK)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	7	16	11	12
CRUSTED AREA(S)		2	2	1	2
MASS(ES)		1	1	0	1
ABRASION(S)/ULCERATION(S)		0	1	1	0
RAISED AREA(S)		1	1	0	0
MAMMARY, FEMALE (MF)	NUMBER EXAMINED:	0	0	13	15
	NOT REMARKABLE:	0	0	6	8
MASS(ES)		0	0	7	7
THICKENED		0	0	2	1
MASS #2		0	0	4	4
MASS #3		0	0	1	0
URINARY BLADDER (UB)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	11	20	13	15

Table 30

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

Terminal Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=T;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-8-	-9-	-8-	-9-
NUMBER:		11	20	13	15
CERVIX (CV)	NUMBER EXAMINED:	0	0	13	15
	NOT REMARKABLE:	0	0	13	14
LARGE		0	0	0	1
UTERUS (UT)	NUMBER EXAMINED:	0	0	13	15
	NOT REMARKABLE:	0	0	11	13
CYST(S)		0	0	1	2
MASS(ES)		0	0	1	0
OVARY (OV)	NUMBER EXAMINED:	0	0	13	15
	NOT REMARKABLE:	0	0	8	10
CYST(S)		0	0	5	5
MASS(ES)		0	0	1	0
VAGINA (VA)	NUMBER EXAMINED:	0	0	13	15
	NOT REMARKABLE:	0	0	13	15
PROSTATE (PR)	NUMBER EXAMINED:	11	20	0	0
	NOT REMARKABLE:	11	20	0	0
SEMINAL VESICLES (SV)	NUMBER EXAMINED:	11	20	0	0
	NOT REMARKABLE:	11	20	0	0

Table 30

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

Terminal Sacrifice

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SEX:		--MALE--		-FEMALE-	
GROUP:		-8-	-9-	-8-	-9-
NUMBER:		11	20	13	15
EPIDIDYMIDES (EP)	NUMBER EXAMINED:	11	20	0	0
	NOT REMARKABLE:	11	20	0	0
TESTIS (TE)	NUMBER EXAMINED:	11	20	0	0
	NOT REMARKABLE:	8	16	0	0
SMALL		3	3	0	0
CONTAINS FLUID		1	0	0	0
RED/YELLOW FOCUS(I)/AREA(S)		0	2	0	0
CAVITY, ORAL (OC)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	11	20	13	15
URETER (UE)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	11	20	13	15
CALVARIUM/SKULL (CA)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	11	20	13	15
LN, AXILLARY (AX)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	11	19	12	14
LARGE		0	1	1	0

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Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

Terminal Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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SEX=ALL;GROUP=8,9;WEEKS=ALL
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	SEX:	--MALE--		-FEMALE-	
	GROUP:	-8-	-9-	-8-	-9-
	NUMBER:	11	20	13	15
** FROM PREVIOUS PAGE **					
LN, AXILLARY (AX)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	11	19	12	14
MOTTLED		0	1	1	1
LN, MEDIASTINAL (ML)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	11	20	12	15
MOTTLED		0	0	1	0
LN, MANDIBULAR (MN)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	11	20	11	14
DIFFUSELY RED		0	0	1	0
MOTTLED		0	0	1	0
LARGE		0	0	1	1
ADRENAL (AD)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	11	20	13	15
FOOT/FOOTPAD (FP)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	8	18	11	12
CRUSTED AREA(S)		3	0	2	0
ABRASION(S)/ULCERATION(S)		0	2	0	3

Table 30

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

Terminal Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=T;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-8-	-9-	-8-	-9-
NUMBER:		11	20	13	15
TAIL (TI)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	11	18	13	14
RAISED AREA(S)		0	2	0	0
ULCERATION(S)/ABRASION(S)		0	0	0	1
MAMMARY, MALE (MM)	NUMBER EXAMINED:	11	20	0	0
	NOT REMARKABLE:	10	20	0	0
MASS(ES)		1	0	0	0
LN, LUMBAR/ILIAC (LM)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	10	19	13	14
LARGE		1	1	0	1
AORTA (AO)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	11	19	13	15
LARGE		0	1	0	0
LN, RENAL (RL)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	10	19	13	15
LARGE		1	1	0	0
DIFFUSELY RED		1	1	0	0

Table 30

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

Terminal Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=T;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-8-	-9-	-8-	-9-
NUMBER:		11	20	13	15
LN, INGUINAL (IN)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	11	20	12	15
LARGE		0	0	1	0
CAVITY, ABDOM (PC)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	11	20	13	15
AUDITORY SEB GL (AS)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	11	20	13	15
BILE DUCT (BD)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	11	19	13	15
LARGE		0	1	0	0
ADIPOSE TISSUE (AT)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	11	20	13	15
LN, OTHER (LN)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	11	20	13	15

Table 30

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

Terminal Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=T;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
	SEX:	--MALE--		-FEMALE-	
	GROUP:	-8-	-9-	-8-	-9-
	NUMBER:	11	20	13	15
LN, ANT MES/PANC (AP)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	11	18	13	15
LARGE		0	1	0	0
DIFFUSELY RED		0	1	0	0
JOINT, OTHER (JT)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	9	20	13	14
LARGE		2	0	0	1
LN, POPLITEAL (PP)	NUMBER EXAMINED:	11	20	13	15
	NOT REMARKABLE:	11	20	12	15
LARGE		0	0	1	0
MOTTLED		0	0	1	0

** END OF LIST **

Table 31

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=D,M;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
	SEX:	--MALE--		-FEMALE-	
	GROUP:	-8-	-9-	-8-	-9-
	NUMBER:	39	30	37	35
** TOP OF LIST **					
GENERAL COMMENT (GC)	NUMBER EXAMINED:	39	30	37	35
BLOOD FILM TAKEN		29	19	28	30
MALOCCLUSION		4	4	7	5
STAINS-PERINEUM/PERIANAL		12	5	8	7
URINARY BLADDER-LARGE LUMEN		3	2	0	0
AUTOLYSIS-SEVERE		2	0	0	0
ANIMAL OBESE		4	3	1	2
GI TRACT-LIGHT FLUID CONTENT		0	0	1	0
GI TRACT-LARGE LUMEN		0	1	1	0
DISCHARGE-OCULAR		12	8	19	14
DISCHARGE-NASAL		7	5	10	5
ANIMAL THIN		7	8	12	11
TEETH MISSING/BROKEN/WORN		0	2	2	1
GI TRACT-DARK FLUID CONTENT		1	1	2	0
STAINS - SKIN/HAIRCOAT		6	0	2	0
DISCHARGE-ORAL		0	1	1	0
FLUID-THORACIC CAVITY		1	0	0	0
BONE, FEMUR (FE)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	39	30	37	35
MARROW, FEMUR (FM)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	39	30	37	35

Table 31

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=D,M;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
	SEX:	--MALE--		-FEMALE-	
	GROUP:	-8-	-9-	-8-	-9-
	NUMBER:	39	30	37	35
MARROW, STERNUM (SE)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	39	30	37	35
BONE, STERNUM (SB)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	39	30	36	35
MISALIGNED		0	0	1	0
EYE (EY)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	39	29	37	35
OPAQUE CORNEA		0	1	0	0
BRAIN (BR)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	18	14	5	6
COMPRESSED (HYPOTHALAMUS)		21	16	32	29
SPINAL CORD (SC)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	39	30	37	35
LUNG (LU)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	38	26	36	32
LIGHT FOCUS(I)/AREA(S)		0	1	1	0

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Table 31

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=D,M;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
	SEX:	--MALE--		-FEMALE-	
	GROUP:	-8-	-9-	-8-	-9-
	NUMBER:	39	30	37	35
** FROM PREVIOUS PAGE **					
LUNG (LU)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	38	26	36	32
UNCOLLAPSED		0	2	0	3
RED FOCUS(I)/AREA(S)		0	0	0	1
ADHESION(S)		0	2	0	0
DIFFUSELY RED		1	1	0	0
KIDNEY (KD)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	25	19	33	33
LARGE PELVIS(ES)		8	5	1	1
LIGHT FOCUS(I)/AREA(S)		0	0	1	0
ROUGH SURFACE, DIFFUSE		4	8	0	0
MASS(ES)		1	0	0	0
CYST(S)		1	1	0	0
GRANULAR MATERIAL		1	1	1	2
DIFFUSELY LIGHT		7	5	0	1
DIFFUSELY DARK		0	0	1	0
LARGE		2	2	0	0
MOTTLED		0	0	1	0
LIVER (LI)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	21	19	27	28
LIGHT FOCUS(I)/AREA(S)		1	5	1	2
MOTTLED		3	0	2	1

** CONTINUED ON NEXT PAGE **

Table 31

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=D,M;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
	SEX:	--MALE--		-FEMALE-	
	GROUP:	-8-	-9-	-8-	-9-
	NUMBER:	39	30	37	35
** FROM PREVIOUS PAGE **					
LIVER (LI)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	21	19	27	28
RED FOCUS(I)/AREA(S)		4	2	4	1
DIFFUSELY LIGHT		4	3	2	1
MASS(ES)		2	2	0	0
LARGE		3	2	0	1
DEPRESSED FOCUS(I)/AREA(S)		1	0	1	0
RAISED FOCUS(I)/AREA(S)		1	0	0	1
CYST(S)		1	0	0	1
DARK FOCUS(I)/AREA(S)		0	1	0	0
ROUGH SURFACE, DIFFUSE		1	0	0	0
HEART (HT)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	37	27	37	34
LIGHT FOCUS(I)/AREA(S)		1	3	0	1
MASS(ES)		1	0	0	0
MUSCLE, SKELETAL (SM)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	39	29	37	35
MASS(ES)		0	1	0	0
NERVE, SCIATIC (SN)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	39	30	37	35

Table 31

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=D,M;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
	SEX:	--MALE--		-FEMALE-	
	GROUP:	-8-	-9-	-8-	-9-
	NUMBER:	39	30	37	35
LN, MESENTERIC (MS)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	39	29	36	35
DIFFUSELY RED		0	0	1	0
LARGE		0	1	0	0
SPLEEN (SP)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	36	26	37	32
LIGHT FOCUS(I)/AREA(S)		0	1	0	0
DIFFUSELY LIGHT		0	0	0	1
LARGE		2	1	0	2
ROUGH SURFACE		1	0	0	0
DEPRESSED FOCUS(I)/AREA(S)		0	1	0	0
MASS(ES)		0	1	0	0
THYMUS (TH)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	39	29	37	34
LARGE		0	1	0	1
ESOPHAGUS (ES)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	39	30	37	35

Table 31

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=D,M;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- NUMBER-OF-ANIMALS-AFFECTED ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-8-	-9-	-8-	-9-
NUMBER:		39	30	37	35
THYROID (TY)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	38	27	37	34
LARGE		1	2	0	0
MASS(ES)		0	1	0	0
DIFFUSELY RED		0	0	0	1
PARATHYROID (PT)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	37	26	37	35
LARGE		2	4	0	0
TRACHEA (TR)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	39	30	37	35
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	36	25	31	27
LARGE		0	4	4	8
LIGHT FOCUS (I)/AREA(S)		0	0	1	0
SMALL		0	0	1	0
MISSING/NOT IDENTIFIED		1	0	0	0
DIFFUSELY RED		1	0	0	0
MOTTLED		0	0	1	2
DARK FOCUS(I)/AREA(S)		0	1	0	0
RED FOCUS(I)/AREA(S)		1	0	0	0

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Table 31

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
TABLE INCLUDES:					
SEX=ALL;GROUP=8,9;WEEKS=ALL	SEX:	--MALE--		-FEMALE-	
DEATH=D,M;SUBSET=ALL					
	GROUP:	-8-	-9-	-8-	-9-
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	39	30	37	35
** FROM PREVIOUS PAGE **					
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	36	25	31	27
DIFFUSELY LIGHT		0	1	0	0
ADRENAL, MEDULLA (MA)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	39	30	37	35
PITUITARY (PI)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	11	13	2	4
MASS(ES)		20	16	31	29
DARK FOCUS(I)/AREA(S)		0	0	2	0
LARGE		2	0	1	2
DIFFUSELY RED		1	0	0	0
RED FOCUS(I)/AREA(S)		1	1	1	0
RAISED AREA(S)		3	0	0	0
CYST(S)		1	0	1	0
HARDERIAN GLAND (HG)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	39	30	37	35
SALIV GL, MANDIB (SG)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	39	30	37	35

Table 31

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=D,M;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
	SEX:	--MALE--		-FEMALE-	
	GROUP:	-8-	-9-	-8-	-9-
	NUMBER:	39	30	37	35
PANCREAS (PA)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	39	26	36	35
LARGE VESSELS		0	2	0	0
MASS(ES)		0	2	1	0
STOMACH, GL (ST)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	23	19	35	33
RED FOCUS(I)/AREA(S)		4	0	1	0
DARK FOCUS(I)/AREA(S)		3	8	1	2
LIGHT FOCUS(I)/AREA(S)		1	1	0	0
EROSION/ULCERATION		2	1	0	0
THICKENED WALL		8	2	0	0
ADHESION(S)		0	1	0	0
STOMACH, NONGL (SU)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	31	27	32	32
THICKENED WALL		6	2	3	1
EROSION/ULCERATION		5	1	4	2
DARK FOCUS(I)/AREA(S)		0	1	0	0
DUODENUM (DU)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	37	30	37	35
RED FOCUS(I)/AREA(S)		1	0	0	0

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Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=D,M;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
	SEX:	--MALE--		-FEMALE-	
	GROUP:	-8-	-9-	-8-	-9-
	NUMBER:	39	30	37	35
** FROM PREVIOUS PAGE **					
DUODENUM (DU)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	37	30	37	35
THICKENED WALL		1	0	0	0
JEJUNUM (JE)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	38	30	37	35
RED FOCUS(I)/AREA(S)		1	0	0	0
ILEUM (IL)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	39	30	36	35
LARGE LYMPHOID AREA(S)		0	0	1	0
CECUM (CE)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	38	29	37	32
THICKENED WALL		1	1	0	2
MASS(ES)		0	0	0	2
RED FOCUS(I)/AREA(S)		1	0	0	0
COLON (CO)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	39	30	37	35

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Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=D,M;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
	SEX:	--MALE--		-FEMALE-	
	GROUP:	-8-	-9-	-8-	-9-
	NUMBER:	39	30	37	35
RECTUM (RE)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	39	30	37	35
SKIN (SK)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	35	24	36	34
CRUSTED AREA(S)		3	5	1	0
MASS(ES)		0	1	0	1
SUBCUTANEOUS EDEMA		1	0	0	0
ALOPECIA-DIFFUSE		0	1	0	0
MAMMARY, FEMALE (MF)	NUMBER EXAMINED:	0	0	37	35
	NOT REMARKABLE:	0	0	11	13
MASS(ES)		0	0	19	18
CYST(S)		0	0	7	7
THICKENED		0	0	10	9
MASS #2		0	0	11	9
MASS #3		0	0	4	3
URINARY BLADDER (UB)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	37	28	36	35
CALCULUS(I)		2	0	1	0
THICKENED WALL		2	0	0	0
RED FOCUS(I)/AREA(S)		1	0	0	0

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Covance 6329-228
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Incidence of Macroscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=D,M;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-8-	-9-	-8-	-9-
NUMBER:		39	30	37	35
** FROM PREVIOUS PAGE **					
URINARY BLADDER (UB)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	37	28	36	35
DIFFUSELY RED		1	2	0	0
SEMIFLUID MATERIAL		1	0	0	0
CERVIX (CV)	NUMBER EXAMINED:	0	0	37	35
	NOT REMARKABLE:	0	0	36	34
LARGE		0	0	1	1
UTERUS (UT)	NUMBER EXAMINED:	0	0	37	35
	NOT REMARKABLE:	0	0	32	28
CYST(S)		0	0	4	6
MASS(ES)		0	0	0	2
SMALL		0	0	1	0
THICKENED WALL		0	0	0	1
OVARY (OV)	NUMBER EXAMINED:	0	0	37	35
	NOT REMARKABLE:	0	0	31	28
DIFFUSELY RED		0	0	1	0
CYST(S)		0	0	5	7

Table 31

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=D,M;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
	SEX:	--MALE--		-FEMALE-	
	GROUP:	-8-	-9-	-8-	-9-
	NUMBER:	39	30	37	35
VAGINA (VA)	NUMBER EXAMINED:	0	0	37	35
	NOT REMARKABLE:	0	0	33	27
SEMIFLUID MATERIAL		0	0	4	8
THICKENED WALL		0	0	0	1
PROSTATE (PR)	NUMBER EXAMINED:	39	30	0	0
	NOT REMARKABLE:	30	20	0	0
GELATINOUS		1	0	0	0
NODULAR		7	6	0	0
MASS(ES)		0	1	0	0
LARGE		1	1	0	0
SMALL		0	2	0	0
DIFFUSELY RED		1	0	0	0
SEMINAL VESICLES (SV)	NUMBER EXAMINED:	39	30	0	0
	NOT REMARKABLE:	31	25	0	0
GELATINOUS		1	2	0	0
MASS(ES)		1	0	0	0
LARGE		1	2	0	0
SMALL		5	1	0	0

Table 31

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=D,M;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-8-	-9-	-8-	-9-
NUMBER:		39	30	37	35
EPIDIDYMIDES (EP)	NUMBER EXAMINED:	39	30	0	0
	NOT REMARKABLE:	39	28	0	0
MASS(ES)		0	1	0	0
SMALL		0	1	0	0
TESTIS (TE)	NUMBER EXAMINED:	39	30	0	0
	NOT REMARKABLE:	34	29	0	0
SMALL		5	1	0	0
CAVITY, ORAL (OC)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	39	30	36	35
ABRASION(S)/ULCERATION(S)		0	0	1	0
URETER (UE)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	37	30	37	35
LARGE		2	0	0	0
CALVARIUM/SKULL (CA)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	38	29	36	35
FRACTURE		0	0	1	0
RED FOCUS(I)/AREA(S)		1	0	0	0
MASS(ES)		0	1	0	0

Table 31

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=D,M;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
	SEX:	--MALE--		-FEMALE-	
	GROUP:	-8-	-9-	-8-	-9-
	NUMBER:	39	30	37	35
LN, AXILLARY (AX)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	39	30	32	31
LARGE		0	0	4	2
DIFFUSELY RED		0	0	2	2
MOTTLED		0	0	0	1
LN, MEDIASTINAL (ML)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	38	30	37	34
DIFFUSELY RED		1	0	0	1
LARGE		1	0	0	0
LN, MANDIBULAR (MN)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	36	29	33	32
DIFFUSELY RED		2	0	1	1
MOTTLED		1	0	1	1
LARGE		0	1	2	1
ADRENAL (AD)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	39	30	37	35

Table 31

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=D,M;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
	SEX:	--MALE--		-FEMALE-	
	GROUP:	-8-	-9-	-8-	-9-
	NUMBER:	39	30	37	35
FOOT/FOOTPAD (FP)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	31	26	37	32
CRUSTED AREA(S)		4	2	0	2
ABRASION(S)/ULCERATION(S)		4	2	0	0
LARGE		0	0	0	1
TAIL (TI)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	37	29	37	35
CRUSTED AREA(S)		1	1	0	0
RAISED AREA(S)		1	0	0	0
MAMMARY, MALE (MM)	NUMBER EXAMINED:	39	30	0	0
	NOT REMARKABLE:	32	26	0	0
THICKENED		0	1	0	0
MASS(ES)		5	2	0	0
CYST(S)		2	1	0	0
LN, LUMBAR/ILIAC (LM)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	36	24	37	35
MASS(ES)		0	1	0	0
LARGE		1	3	0	0
DIFFUSELY DARK		0	1	0	0
CYST(S)		1	1	0	0

** CONTINUED ON NEXT PAGE **

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Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=D,M;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
	SEX:	--MALE--		-FEMALE-	
	GROUP:	-8-	-9-	-8-	-9-
	NUMBER:	39	30	37	35
** FROM PREVIOUS PAGE **					
LN, LUMBAR/ILIAC (LM)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	36	24	37	35
MOTTLED		1	0	0	0
AORTA (AO)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	38	29	37	35
LARGE		1	1	0	0
FIRM		1	1	0	0
LN, RENAL (RL)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	39	28	37	35
LARGE		0	2	0	0
DIFFUSELY RED		0	2	0	0
LN, INGUINAL (IN)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	39	30	36	35
LARGE		0	0	1	0
CAVITY, ABDOM (PC)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	39	29	37	35
MASS(ES)		0	1	0	0

Table 31

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=D,M;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-8-	-9-	-8-	-9-
NUMBER:		39	30	37	35
AUDITORY SEB GL (AS)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	39	29	37	35
MASS(ES)		0	1	0	0
BILE DUCT (BD)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	39	29	37	35
LARGE		0	1	0	0
ADIPOSE TISSUE (AT)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	39	29	37	34
MASS(ES)		0	1	0	0
THICKENED		0	0	0	1
LN, OTHER (LN)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	39	29	37	35
LARGE		0	1	0	0
LN, ANT MES/PANC (AP)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	39	29	37	35
LARGE		0	1	0	0

Table 31

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=D,M;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
	SEX:	--MALE--		-FEMALE-	
	GROUP:	-8-	-9-	-8-	-9-
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	39	30	37	35
JOINT, OTHER (JT)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	39	30	37	35
LN, POPLITEAL (PP)	NUMBER EXAMINED:	39	30	37	35
	NOT REMARKABLE:	39	30	37	35

** END OF LIST **

Table 32

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
TABLE INCLUDES:					
SEX=ALL;GROUP=8,9;WEEKS=ALL	SEX:	--MALE--		-FEMALE-	
DEATH=ALL;SUBSET=ALL					
	GROUP:	-8-	-9-	-8-	-9-
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	70	70	70	70
** TOP OF LIST **					
GENERAL COMMENT (GC)	NUMBER EXAMINED:	70	70	70	70
NO MACROSCOPIC LESIONS		11	15	12	12
BLOOD FILM TAKEN		40	39	41	44
MALOCCLUSION		5	5	9	7
STAINS-PERINEUM/PERIANAL		15	6	8	7
URINARY BLADDER-LARGE LUMEN		3	2	0	0
AUTOLYSIS-SEVERE		2	0	0	0
ANIMAL OBESE		12	6	1	3
GI TRACT-LIGHT FLUID CONTENT		0	0	1	0
GI TRACT-LARGE LUMEN		0	1	1	0
DISCHARGE-OCULAR		14	8	19	15
DISCHARGE-NASAL		7	5	10	5
ANIMAL THIN		10	9	13	11
BONE MARROW SMEAR TAKEN		21	30	23	24
TEETH MISSING/BROKEN/WORN		1	2	4	2
GI TRACT-DARK FLUID CONTENT		1	1	2	0
STAINS - SKIN/HAIRCOAT		6	0	4	1
DISCHARGE-ORAL		0	1	1	0
FLUID-THORACIC CAVITY		1	0	0	0
BONE, FEMUR (FE)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	70	70	70	70

Table 32

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
TABLE INCLUDES:					
SEX=ALL;GROUP=8,9;WEEKS=ALL	SEX:	--MALE--		-FEMALE-	
DEATH=ALL;SUBSET=ALL	GROUP:	-8-	-9-	-8-	-9-
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	70	70	70	70
MARROW, FEMUR (FM)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	70	70	70	70
MARROW, STERNUM (SE)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	70	70	70	70
BONE, STERNUM (SB)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	70	70	69	70
MISALIGNED		0	0	1	0
EYE (EY)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	70	68	70	70
OPAQUE CORNEA		0	1	0	0
WHITE INTRAOCULAR MATERIAL		0	1	0	0
BRAIN (BR)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	45	52	33	30
COMPRESSED (HYPOTHALAMUS)		25	18	37	40
SPINAL CORD (SC)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	70	70	70	70

Table 32

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
TABLE INCLUDES:					
SEX=ALL;GROUP=8,9;WEEKS=ALL	SEX:	--MALE--		-FEMALE-	
DEATH=ALL;SUBSET=ALL					
	GROUP:	-8-	-9-	-8-	-9-
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	70	70	70	70
		-=-	-=-	-=-	-=-
LUNG (LU)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	69	65	68	66
LIGHT FOCUS(I)/AREA(S)		0	1	2	1
UNCOLLAPSED		0	2	0	3
RED FOCUS(I)/AREA(S)		0	0	0	1
ADHESION(S)		0	2	0	0
DIFFUSELY RED		1	1	0	0
MOTTLED		0	1	0	0
KIDNEY (KD)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	53	54	66	67
LARGE PELVIS(ES)		9	8	1	1
LIGHT FOCUS(I)/AREA(S)		0	0	1	0
ROUGH SURFACE, DIFFUSE		5	10	0	0
MASS(ES)		2	0	0	0
CYST(S)		1	1	0	1
GRANULAR MATERIAL		2	2	1	2
DIFFUSELY LIGHT		8	8	0	1
DIFFUSELY DARK		0	0	1	0
LARGE		2	4	0	0
MOTTLED		0	0	1	0

Table 32

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=ALL;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- NUMBER-OF-ANIMALS-AFFECTED ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-8-	-9-	-8-	-9-
NUMBER:		70	70	70	70
LIVER (LI)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	45	48	52	54
LIGHT FOCUS(I)/AREA(S)		2	7	3	2
MOTTLED		4	1	3	1
RED FOCUS(I)/AREA(S)		8	9	8	5
DIFFUSELY LIGHT		4	4	2	1
MASS(ES)		3	3	0	0
LARGE		3	3	1	1
DEPRESSED FOCUS(I)/AREA(S)		1	0	1	0
RAISED FOCUS(I)/AREA(S)		1	0	0	2
CYST(S)		1	0	0	2
DARK FOCUS(I)/AREA(S)		0	2	0	3
ROUGH SURFACE, DIFFUSE		1	0	0	0
HEART (HT)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	68	67	69	69
LIGHT FOCUS(I)/AREA(S)		1	3	1	1
MASS(ES)		1	0	0	0
MUSCLE, SKELETAL (SM)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	70	69	70	69
MASS(ES)		0	1	0	1

Table 32

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
TABLE INCLUDES:					
SEX=ALL;GROUP=8,9;WEEKS=ALL	SEX:	--MALE--		-FEMALE-	
DEATH=ALL;SUBSET=ALL					
	GROUP:	-8-	-9-	-8-	-9-
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	70	70	70	70
NERVE, SCIATIC (SN)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	70	70	70	70
LN, MESENTERIC (MS)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	70	67	69	70
DIFFUSELY RED		0	2	1	0
LARGE		0	2	0	0
SPLEEN (SP)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	67	62	69	66
LIGHT FOCUS(I)/AREA(S)		0	2	0	0
DIFFUSELY LIGHT		0	0	0	1
LARGE		2	2	1	3
ROUGH SURFACE		1	0	0	0
DEPRESSED FOCUS(I)/AREA(S)		0	1	0	0
MASS(ES)		0	1	0	0
RAISED FOCUS(I)/AREA(S)		0	2	0	0
THYMUS (TH)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	70	69	69	69
LARGE		0	1	0	1
MASS(ES)		0	0	1	0

Table 32

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
TABLE INCLUDES:					
SEX=ALL;GROUP=8,9;WEEKS=ALL	SEX:	--MALE--		-FEMALE-	
DEATH=ALL;SUBSET=ALL					
	GROUP:	-8-	-9-	-8-	-9-
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	70	70	70	70
ESOPHAGUS (ES)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	70	70	70	70
THYROID (TY)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	68	66	70	69
LARGE		2	3	0	0
MASS(ES)		0	1	0	0
DIFFUSELY RED		0	0	0	1
PARATHYROID (PT)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	67	66	70	69
LARGE		3	4	0	1
TRACHEA (TR)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	70	70	70	70
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	67	65	58	59
LARGE		0	4	7	11
LIGHT FOCUS (I)/AREA(S)		0	0	1	0
SMALL		0	0	1	0
MISSING/NOT IDENTIFIED		1	0	0	0

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Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
TABLE INCLUDES:					
SEX=ALL;GROUP=8,9;WEEKS=ALL	SEX:	--MALE--		-FEMALE-	
DEATH=ALL;SUBSET=ALL					
	GROUP:	-8-	-9-	-8-	-9-
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	70	70	70	70
** FROM PREVIOUS PAGE **					
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	67	65	58	59
DIFFUSELY RED		1	0	0	0
MOTTLED		0	0	1	2
DARK FOCUS(I)/AREA(S)		0	1	1	0
RED FOCUS(I)/AREA(S)		1	0	0	0
DIFFUSELY LIGHT		0	1	0	0
MASS(ES)		0	0	2	0
ADRENAL, MEDULLA (MA)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	70	70	70	70
PITUITARY (PI)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	35	43	19	25
MASS(ES)		25	18	38	39
DARK FOCUS(I)/AREA(S)		0	0	3	0
LARGE		3	1	7	5
DIFFUSELY RED		1	1	1	1
RED FOCUS(I)/AREA(S)		2	6	4	2
RAISED AREA(S)		4	0	1	0
CYST(S)		1	1	1	0
HARDERIAN GLAND (HG)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	70	70	70	70

Table 32

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=ALL;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-8-	-9-	-8-	-9-
NUMBER:		70	70	70	70
SALIV GL, MANDIB (SG)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	70	70	70	70
PANCREAS (PA)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	69	64	68	70
LARGE VESSELS		1	2	0	0
MASS(ES)		0	4	2	0
STOMACH, GL (ST)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	50	53	65	67
RED FOCUS(I)/AREA(S)		4	0	1	0
DARK FOCUS(I)/AREA(S)		4	11	4	2
LIGHT FOCUS(I)/AREA(S)		1	1	0	0
EROSION/ULCERATION		4	1	0	0
THICKENED WALL		9	6	0	1
ADHESION(S)		0	1	0	0
STOMACH, NONGL (SU)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	62	66	65	67
THICKENED WALL		6	2	3	1
EROSION/ULCERATION		5	2	4	2
DARK FOCUS(I)/AREA(S)		0	1	0	0

Table 32

Incidence of Macroscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=ALL;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-8-	-9-	-8-	-9-
NUMBER:		70	70	70	70
DUODENUM (DU)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	68	70	70	70
RED FOCUS(I)/AREA(S)		1	0	0	0
THICKENED WALL		1	0	0	0
JEJUNUM (JE)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	69	70	69	70
RED FOCUS(I)/AREA(S)		1	0	0	0
DIVERTICULUM(A)		0	0	1	0
ILEUM (IL)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	70	70	69	70
LARGE LYMPHOID AREA(S)		0	0	1	0
CECUM (CE)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	69	69	70	67
THICKENED WALL		1	1	0	2
MASS(ES)		0	0	0	2
RED FOCUS(I)/AREA(S)		1	0	0	0
COLON (CO)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	70	70	70	70

Table 32

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
TABLE INCLUDES:					
SEX=ALL;GROUP=8,9;WEEKS=ALL	SEX:	--MALE--		-FEMALE-	
DEATH=ALL;SUBSET=ALL					
	GROUP:	-8-	-9-	-8-	-9-
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	70	70	70	70
RECTUM (RE)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	70	70	70	70
SKIN (SK)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	62	60	67	65
CRUSTED AREA(S)		5	7	2	3
MASS(ES)		1	2	0	2
SUBCUTANEOUS EDEMA		1	0	0	0
ALOPECIA-DIFFUSE		0	1	0	0
ABRASION(S)/ULCERATION(S)		0	1	1	0
RAISED AREA(S)		1	1	0	0
MAMMARY, FEMALE (MF)	NUMBER EXAMINED:	0	0	70	70
	NOT REMARKABLE:	0	0	33	36
MASS(ES)		0	0	27	27
CYST(S)		0	0	10	11
THICKENED		0	0	12	10
MASS #2		0	0	15	13
MASS #3		0	0	5	3
URINARY BLADDER (UB)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	68	68	69	70
CALCULUS(I)		2	0	1	0

** CONTINUED ON NEXT PAGE **

Table 32

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
TABLE INCLUDES:					
SEX=ALL;GROUP=8,9;WEEKS=ALL	SEX:	--MALE--		-FEMALE-	
DEATH=ALL;SUBSET=ALL					
	GROUP:	-8-	-9-	-8-	-9-
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	70	70	70	70
** FROM PREVIOUS PAGE **					
URINARY BLADDER (UB)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	68	68	69	70
THICKENED WALL		2	0	0	0
RED FOCUS(I)/AREA(S)		1	0	0	0
DIFFUSELY RED		1	2	0	0
SEMIFLUID MATERIAL		1	0	0	0
CERVIX (CV)	NUMBER EXAMINED:	0	0	70	70
	NOT REMARKABLE:	0	0	69	68
LARGE		0	0	1	2
UTERUS (UT)	NUMBER EXAMINED:	0	0	70	70
	NOT REMARKABLE:	0	0	63	60
CYST(S)		0	0	5	9
MASS(ES)		0	0	1	2
SMALL		0	0	1	0
THICKENED WALL		0	0	0	1
OVARY (OV)	NUMBER EXAMINED:	0	0	70	70
	NOT REMARKABLE:	0	0	59	58
DIFFUSELY RED		0	0	1	0
CYST(S)		0	0	10	12
MASS(ES)		0	0	1	0

Table 32

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
TABLE INCLUDES:					
SEX=ALL;GROUP=8,9;WEEKS=ALL	SEX:	--MALE--		-FEMALE-	
DEATH=ALL;SUBSET=ALL					
	GROUP:	-8-	-9-	-8-	-9-
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	70	70	70	70
VAGINA (VA)	NUMBER EXAMINED:	0	0	70	70
	NOT REMARKABLE:	0	0	66	62
SEMIFLUID MATERIAL		0	0	4	8
THICKENED WALL		0	0	0	1
PROSTATE (PR)	NUMBER EXAMINED:	70	70	0	0
	NOT REMARKABLE:	61	60	0	0
GELATINOUS		1	0	0	0
NODULAR		7	6	0	0
MASS(ES)		0	1	0	0
LARGE		1	1	0	0
SMALL		0	2	0	0
DIFFUSELY RED		1	0	0	0
SEMINAL VESICLES (SV)	NUMBER EXAMINED:	70	70	0	0
	NOT REMARKABLE:	62	65	0	0
GELATINOUS		1	2	0	0
MASS(ES)		1	0	0	0
LARGE		1	2	0	0
SMALL		5	1	0	0

Table 32

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=ALL;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-8-	-9-	-8-	-9-
NUMBER:		70	70	70	70
EPIDIDYMIDES (EP)	NUMBER EXAMINED:	70	70	0	0
	NOT REMARKABLE:	70	68	0	0
MASS(ES)		0	1	0	0
SMALL		0	1	0	0
TESTIS (TE)	NUMBER EXAMINED:	70	70	0	0
	NOT REMARKABLE:	62	64	0	0
SMALL		8	5	0	0
CONTAINS FLUID		1	0	0	0
RED/YELLOW FOCUS(I)/AREA(S)		0	2	0	0
CAVITY, ORAL (OC)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	70	70	69	70
ABRASION(S)/ULCERATION(S)		0	0	1	0
URETER (UE)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	68	70	70	70
LARGE		2	0	0	0
CALVARIUM/SKULL (CA)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	69	69	69	70
FRACTURE		0	0	1	0

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Table 32

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=ALL;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- NUMBER-OF-ANIMALS-AFFECTED ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-8-	-9-	-8-	-9-
NUMBER:		70	70	70	70
** FROM PREVIOUS PAGE **					
CALVARIUM/SKULL (CA)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	69	69	69	70
RED FOCUS(I)/AREA(S)		1	0	0	0
MASS(ES)		0	1	0	0
LN, AXILLARY (AX)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	70	69	63	65
LARGE		0	1	5	2
DIFFUSELY RED		0	0	3	2
MOTTLED		0	1	1	2
LN, MEDIASTINAL (ML)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	69	70	69	69
DIFFUSELY RED		1	0	0	1
LARGE		1	0	0	0
MOTTLED		0	0	1	0
LN, MANDIBULAR (MN)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	67	69	62	63
DIFFUSELY RED		2	0	4	3
MOTTLED		1	0	2	2
LARGE		0	1	3	2

Table 32

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
TABLE INCLUDES:					
SEX=ALL;GROUP=8,9;WEEKS=ALL	SEX:	--MALE--		-FEMALE-	
DEATH=ALL;SUBSET=ALL					
	GROUP:	-8-	-9-	-8-	-9-
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	70	70	70	70
ADRENAL (AD)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	70	70	70	70
FOOT/FOOTPAD (FP)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	59	64	68	64
CRUSTED AREA(S)		7	2	2	2
ABRASION(S)/ULCERATION(S)		4	4	0	3
LARGE		0	0	0	1
TAIL (TI)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	68	67	70	69
CRUSTED AREA(S)		1	1	0	0
RAISED AREA(S)		1	2	0	0
ULCERATION(S)/ABRASION(S)		0	0	0	1
MAMMARY, MALE (MM)	NUMBER EXAMINED:	70	70	0	0
	NOT REMARKABLE:	62	66	0	0
THICKENED		0	1	0	0
MASS(ES)		6	2	0	0
CYST(S)		2	1	0	0

Table 32

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=ALL;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-8-	-9-	-8-	-9-
NUMBER:		70	70	70	70
LN, LUMBAR/ILIAC (LM)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	66	63	70	69
MASS(ES)		0	1	0	0
LARGE		2	4	0	1
DIFFUSELY DARK		0	1	0	0
CYST(S)		1	1	0	0
MOTTLED		1	0	0	0
AORTA (AO)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	69	68	70	70
LARGE		1	2	0	0
FIRM		1	1	0	0
LN, RENAL (RL)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	69	67	70	70
LARGE		1	3	0	0
DIFFUSELY RED		1	3	0	0
LN, INGUINAL (IN)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	70	70	68	70
LARGE		0	0	2	0

Table 32

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
TABLE INCLUDES:					
SEX=ALL;GROUP=8,9;WEEKS=ALL	SEX:	--MALE--		-FEMALE-	
DEATH=ALL;SUBSET=ALL					
	GROUP:	-8-	-9-	-8-	-9-
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	70	70	70	70
CAVITY, ABDOM (PC)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	70	69	70	70
MASS(ES)		0	1	0	0
AUDITORY SEB GL (AS)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	70	69	70	70
MASS(ES)		0	1	0	0
BILE DUCT (BD)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	70	68	70	70
LARGE		0	2	0	0
ADIPOSE TISSUE (AT)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	70	69	70	69
MASS(ES)		0	1	0	0
THICKENED		0	0	0	1
LN, OTHER (LN)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	70	69	70	70
LARGE		0	1	0	0

Table 32

Covance 6329-228
3M T-6316.1

Incidence of Macroscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=ALL;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
	SEX:	--MALE--		-FEMALE-	
	GROUP:	-8-	-9-	-8-	-9-
	NUMBER:	70	70	70	70
LN, ANT MES/PANC (AP)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	70	67	70	70
LARGE		0	2	0	0
DIFFUSELY RED		0	1	0	0
JOINT, OTHER (JT)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	68	70	70	69
LARGE		2	0	0	1
LN, POPLITEAL (PP)	NUMBER EXAMINED:	70	70	70	70
	NOT REMARKABLE:	70	70	69	70
LARGE		0	0	1	0
MOTTLED		0	0	1	0

** END OF LIST **

TABLE 33

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
SEX:		--MALE--	
GROUP:		-8-	-9-
NUMBER:		10	10
** TOP OF LIST **			
LUNG (LU)	NUMBER EXAMINED:	10	10
	NOT REMARKABLE:	10	9
--INFILTRATE, MACROPHAGE, ALVEOLAR		0	1
KIDNEY (KD)	NUMBER EXAMINED:	10	10
	NOT REMARKABLE:	5	1
--CAST, PROTEINACEOUS		3	2
--MINERALIZATION, PELVIC		1	2
--NEPHROPATHY, CHRONIC PROGRESSIVE		2	6
LIVER (LI)	NUMBER EXAMINED:	10	10
	NOT REMARKABLE:	7	6
--DEGENERATION, CYSTIC		0	1
--HEMORRHAGE		2	0
--INFLAMMATION, CHRONIC		1	2
--LIPIDOSIS, SUBCAPSULAR (TENSION LIPIDOSIS)		1	0
--NECROSIS, HEPATOCELLULAR		1	0
--VACUOLATION, HEPATOCELLULAR		0	2
--B-ADENOMA, HEPATOCELLULAR		0	1
PANCREAS (PA)	NUMBER EXAMINED:	10	10
	NOT REMARKABLE:	10	6
--PIGMENT		0	3
--B-ADENOMA, ISLET CELL		0	1

TABLE 33

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
SEX:		--MALE--	
GROUP:		-8-	-9-
NUMBER:		10	10
THYROID (TY)	NUMBER EXAMINED:	10	10
	NOT REMARKABLE:	8	6
--CYST, FOLLICULAR		2	3
--CYST, ULTIMOBRANCHIAL		0	1
PARATHYROID (PT)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0
TESTIS (TE)	NUMBER EXAMINED:	10	10
	NOT REMARKABLE:	10	9
--ATROPHY/DEGENERATION		0	1
SKIN (SK)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0
MAMMARY, FEMALE (MF)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
BONE, FEMUR (FE)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0

TABLE 33

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	--MALE--	
	GROUP:	-8-	-9-
	NUMBER:	10	10
MARROW, FEMUR (FM)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0
MARROW, STERNUM (SE)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0
BONE, STERNUM (SB)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0
EYE (EY)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0
BRAIN (BR)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0
SPINAL CORD (SC)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0
MUSCLE, SKELETAL (SM)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0

TABLE 33

Incidence of Microscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	--MALE--	
	GROUP:	-8-	-9-
	NUMBER:	10	10
NERVE, SCIATIC (SN)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0
HEART (HT)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	9	0
--DEGENERATION/NECROSIS		1	0
LN, MESENTERIC (MS)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0
SPLEEN (SP)	NUMBER EXAMINED:	10	1
	NOT REMARKABLE:	10	1
THYMUS (TH)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0
ESOPHAGUS (ES)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0
TRACHEA (TR)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0

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3M T-6316.1

Incidence of Microscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	--MALE--	
	GROUP:	-8-	-9-
	NUMBER:	10	10
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0
ADRENAL, MEDULLA (MA)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0
PITUITARY (PI)	NUMBER EXAMINED:	9	1
	NOT REMARKABLE:	8	0
--HEMORRHAGE		0	1
--B-ADENOMA		1	1
HARDERIAN GLAND (HG)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	9	0
--ONE EXAMINED		1	0
SALIV GL, MANDIB (SG)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0
STOMACH, GL (ST)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	9	0
--EDEMA		1	0

TABLE 33

Incidence of Microscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
SEX:		--MALE--	
GROUP:		-8-	-9-
NUMBER:		10	10
STOMACH, NONGL (SU)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0
DUODENUM (DU)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0
JEJUNUM (JE)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0
ILEUM (IL)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0
CECUM (CE)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0
COLON (CO)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0
RECTUM (RE)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	9	0
--PARASITISM		1	0

TABLE 33

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
SEX:		--MALE--	
GROUP:		-8-	-9-
NUMBER:		10	10
URINARY BLADDER (UB)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0
UTERUS (UT)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
OVARY (OV)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
CERVIX (CV)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
VAGINA (VA)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
PROSTATE (PR)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	8	0
--INFLAMMATION, ACUTE		1	0
--INFLAMMATION, CHRONIC-ACTIVE		1	0

TABLE 33

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
SEX:		--MALE--	
GROUP:		-8-	-9-
NUMBER:		10	10
SEMINAL VESICLES (SV)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0
EPIDIDYMIDES (EP)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0
DEATH COMMENT (DC)	NUMBER EXAMINED:	10	10
	NOT REMARKABLE:	0	0
--SCHEDULED SACRIFICE		10	10
LN, MANDIBULAR (MN)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
LN, AXILLARY (AX)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
FOOT/FOOTPAD (FP)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
LN, INGUINAL (IN)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0

TABLE 33

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
SEX:		--MALE--	
GROUP:		-8-	-9-
NUMBER:		10	10
AORTA (AO)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
LN, RENAL (RL)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
LN, LUMBAR/ILIAC (LM)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
HEMATO NEOPLASIA (HN)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0
MAMMARY, MALE (MM)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
CAVITY, ABDOM (PC)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
TAIL (TI)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0

TABLE 33

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	--MALE--	
	GROUP:	-8-	-9-
	NUMBER:	10	10
URETER (UE)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
CAVITY, ORAL (OC)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
CALVARIUM/SKULL (CA)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
LN, MEDIASTINAL (ML)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
LN, OTHER (LN)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
BILE DUCT (BD)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
AUDITORY SEB GL (AS)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0

TABLE 33 Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	--MALE--	
	GROUP:	-8-	-9-
	NUMBER:	10	10
LN, ANT MES/PANC (AP)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
ADIPOSE TISSUE (AT)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
JOINT, OTHER (JT)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
LN, POPLITEAL (PP)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
NASAL TURBINATE (NT)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0

TABLE 33 Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
TABLE INCLUDES:			
SEX=ALL;GROUP=ALL;WEEKS=ALL	SEX:	-FEMALE-	
DEATH=3;FIND=ALL;SUBSET=ALL			
	GROUP:	-8-	-9-
ORGAN AND FINDING DESCRIPTION	NUMBER:	10	10
** TOP OF LIST **			
LUNG (LU)	NUMBER EXAMINED:	10	10
	NOT REMARKABLE:	7	9
--HEMORRHAGE		1	0
--INFLAMMATION, CHRONIC		0	1
--INFILTRATE, MACROPHAGE, ALVEOLAR		1	0
--MINERALIZATION, VASCULAR		1	0
KIDNEY (KD)	NUMBER EXAMINED:	10	10
	NOT REMARKABLE:	5	5
--CAST, PROTEINACEOUS		2	3
--CYST		1	1
--HYPERPLASIA, TRANSITIONAL CELL		0	1
--INFLAMMATION, CHRONIC		0	1
--MINERALIZATION, PELVIC		4	4
LIVER (LI)	NUMBER EXAMINED:	10	10
	NOT REMARKABLE:	9	9
--HEMORRHAGE		1	0
--HYPERPLASIA, BILE DUCT		0	1
--NECROSIS, HEPATOCELLULAR		1	0
PANCREAS (PA)	NUMBER EXAMINED:	9	10
	NOT REMARKABLE:	9	8
--ATROPHY, ACINAR		0	2

TABLE 33

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
SEX:		-FEMALE-	
GROUP:		-8-	-9-
NUMBER:		10	10
THYROID (TY)	NUMBER EXAMINED:	10	10
	NOT REMARKABLE:	8	8
--CYST, FOLLICULAR		0	1
--CYST, ULTIMOBRANCHIAL		2	1
--INFLAMMATION, CHRONIC		1	0
PARATHYROID (PT)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0
TESTIS (TE)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
SKIN (SK)	NUMBER EXAMINED:	10	1
	NOT REMARKABLE:	10	0
--EROSION		0	1
--INFLAMMATION, ACUTE		0	1
MAMMARY, FEMALE (MF)	NUMBER EXAMINED:	10	10
	NOT REMARKABLE:	6	4
--FIBROSIS		0	1
--GALACTOCELE		3	6
--HEMORRHAGE		0	1
--MINERALIZATION		1	1

TABLE 33

Incidence of Microscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
SEX:		-FEMALE-	
GROUP:		-8-	-9-
NUMBER:		10	10
** FROM PREVIOUS PAGE **			
MAMMARY, FEMALE (MF)	NUMBER EXAMINED:	10	10
	NOT REMARKABLE:	6	4
--B-FIBROADENOMA		1	1
BONE, FEMUR (FE)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0
MARROW, FEMUR (FM)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0
MARROW, STERNUM (SE)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0
BONE, STERNUM (SB)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0
EYE (EY)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0

TABLE 33

Incidence of Microscopic Observations

Week 53 Sacrifice

Covance 6329-228
3M T-6316.1

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
SEX:		-FEMALE-	
GROUP:		-8-	-9-
NUMBER:		10	10
BRAIN (BR)	NUMBER EXAMINED:	10	1
	NOT REMARKABLE:	10	0
--COMPRESSION, VENTRAL		0	1
SPINAL CORD (SC)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0
MUSCLE, SKELETAL (SM)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0
NERVE, SCIATIC (SN)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0
HEART (HT)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0
LN, MESENTERIC (MS)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	9	0
--EDEMA		1	0

TABLE 33

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
TABLE INCLUDES:			
SEX=ALL;GROUP=ALL;WEEKS=ALL	SEX:	-FEMALE-	
DEATH=3;FIND=ALL;SUBSET=ALL			
	GROUP:	-8-	-9-
ORGAN AND FINDING DESCRIPTION	NUMBER:	10	10
SPLEEN (SP)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0
THYMUS (TH)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	9	0
--CYST		1	0
ESOPHAGUS (ES)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0
TRACHEA (TR)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	3	0
--ANGIECTASIS		6	0
--DEGENERATION, CYSTIC, CORTICAL		3	0
--HEMORRHAGE		6	0
--ONE EXAMINED		1	0

TABLE 33

Incidence of Microscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
SEX:		-FEMALE-	
GROUP:		-8-	-9-
NUMBER:		10	10
ADRENAL, MEDULLA (MA)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	8	0
--ONE EXAMINED		1	0
--B-PHEOCHROMOCYTOMA		1	0
PITUITARY (PI)	NUMBER EXAMINED:	10	2
	NOT REMARKABLE:	6	0
--HEMORRHAGE		3	0
--PIGMENT		1	0
--B-ADENOMA		4	2
HARDERIAN GLAND (HG)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	9	0
--INFLAMMATION, CHRONIC		1	0
SALIV GL, MANDIB (SG)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0
STOMACH, GL (ST)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	9	0
--EDEMA		1	0

TABLE 33

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
SEX:		-FEMALE-	
GROUP:		-8-	-9-
NUMBER:		10	10
STOMACH, NONGL (SU)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0
DUODENUM (DU)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0
JEJUNUM (JE)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0
ILEUM (IL)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0
CECUM (CE)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	9	0
--EDEMA		1	0
COLON (CO)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0

TABLE 33

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
SEX:		-FEMALE-	
GROUP:		-8-	-9-
NUMBER:		10	10
RECTUM (RE)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	8	0
--PARASITISM		2	0
URINARY BLADDER (UB)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0
UTERUS (UT)	NUMBER EXAMINED:	10	1
	NOT REMARKABLE:	8	0
--DILATATION		1	0
--HYPERPLASIA, CYSTIC, ENDOMETRIAL		1	1
--INFLAMMATION, ACUTE		1	0
OVARY (OV)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0
CERVIX (CV)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0
VAGINA (VA)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0

TABLE 33

Incidence of Microscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	-FEMALE-	
	GROUP:	-8-	-9-
	NUMBER:	10	10
PROSTATE (PR)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
SEMINAL VESICLES (SV)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
EPIDIDYMIDES (EP)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
DEATH COMMENT (DC)	NUMBER EXAMINED:	10	10
	NOT REMARKABLE:	0	0
--SCHEDULED SACRIFICE		10	10
LN, MANDIBULAR (MN)	NUMBER EXAMINED:	2	3
	NOT REMARKABLE:	0	1
--HEMORRHAGE		2	2
LN, AXILLARY (AX)	NUMBER EXAMINED:	1	1
	NOT REMARKABLE:	0	1
--HEMORRHAGE		1	0
--INFILTRATE, MACROPHAGE, VACUOLATED		1	0

TABLE 33

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	-FEMALE-	
	GROUP:	-8-	-9-
	NUMBER:	10	10
FOOT/FOOTPAD (FP)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
LN, INGUINAL (IN)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
AORTA (AO)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
LN, RENAL (RL)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
LN, LUMBAR/ILIAC (LM)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
HEMATO NEOPLASIA (HN)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0
MAMMARY, MALE (MM)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0

TABLE 33

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	-FEMALE-	
	GROUP:	-8-	-9-
	NUMBER:	10	10
CAVITY, ABDOM (PC)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
TAIL (TI)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
URETER (UE)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
CAVITY, ORAL (OC)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
CALVARIUM/SKULL (CA)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
LN, MEDIASTINAL (ML)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
LN, OTHER (LN)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0

TABLE 33

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	-FEMALE-	
	GROUP:	-8-	-9-
	NUMBER:	10	10
BILE DUCT (BD)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
AUDITORY SEB GL (AS)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
LN, ANT MES/PANC (AP)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
ADIPOSE TISSUE (AT)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
JOINT, OTHER (JT)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
LN, POPLITEAL (PP)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
NASAL TURBINATE (NT)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0

TABLE 34 Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Terminal Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=T;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
SEX:		--MALE--	
GROUP:		-8-	-9-
NUMBER:		11	20
** TOP OF LIST **			
LUNG (LU)	NUMBER EXAMINED:	11	20
	NOT REMARKABLE:	11	15
--HEMORRHAGE		0	1
--INFILTRATE, MACROPHAGE, ALVEOLAR		0	2
--MINERALIZATION, VASCULAR		0	3
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	1
KIDNEY (KD)	NUMBER EXAMINED:	11	20
	NOT REMARKABLE:	0	0
--CAST, PROTEINACEOUS		3	10
--CYST		1	2
--DILATATION, PELVIC		1	3
--HEMORRHAGE		1	0
--HYPERPLASIA, TRANSITIONAL CELL		1	0
--INFARCT		0	2
--MINERALIZATION, PELVIC		3	3
--NEPHROPATHY, CHRONIC PROGRESSIVE		8	10
--PYELONEPHRITIS		1	0
--M-CARCINOMA, TUBULAR CELL		1	0
LIVER (LI)	NUMBER EXAMINED:	11	20
	NOT REMARKABLE:	1	4
--DEGENERATION, CYSTIC		2	4
--FIBROSIS, CAPSULAR		0	1
--FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC		0	1

TABLE 34 Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Terminal Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=T;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
SEX:		--MALE--	
GROUP:		-8-	-9-
NUMBER:		11	20
** FROM PREVIOUS PAGE **			
LIVER (LI)	NUMBER EXAMINED:	11	20
	NOT REMARKABLE:	1	4
--FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC		1	6
--HEMORRHAGE		1	1
--HYPERPLASIA, BILE DUCT		4	5
--INFLAMMATION, CHRONIC		6	10
--VACUOLATION, HEPATOCELLULAR		0	5
--B-ADENOMA, HEPATOCELLULAR		1	1
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	2
PANCREAS (PA)	NUMBER EXAMINED:	11	20
	NOT REMARKABLE:	3	10
--ATROPHY, ACINAR		5	5
--FIBROSIS		0	1
--HEMORRHAGE		1	1
--HYPERPLASIA, ISLET CELLS		1	0
--HYPERTROPHY, VASCULAR		2	0
--INFLAMMATION, VASCULAR		1	0
--PIGMENT		1	2
--B-ADENOMA, ACINAR CELL		0	1
--B-ADENOMA, ISLET CELL		2	5
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	1

TABLE 34

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Terminal Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=T;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	--MALE--	
	GROUP:	-8-	-9-
	NUMBER:	11	20
THYROID (TY)	NUMBER EXAMINED:	11	20
	NOT REMARKABLE:	5	13
--CYST, FOLLICULAR		3	2
--CYST, ULTIMOBRANCHIAL		2	4
--FIBROSIS		1	1
--HYPERPLASIA, C-CELL		1	0
--HYPERPLASIA, FOLLICULAR CELL		0	1
--INFLAMMATION, CHRONIC		1	1
--B-ADENOMA, C-CELL		0	2
--B-ADENOMA, FOLLICULAR CELL		1	1
PARATHYROID (PT)	NUMBER EXAMINED:	11	0
	NOT REMARKABLE:	10	0
--HYPERPLASIA		1	0
TESTIS (TE)	NUMBER EXAMINED:	11	20
	NOT REMARKABLE:	6	11
--ATROPHY/DEGENERATION		4	4
--CYST		0	1
--INFLAMMATION, CHRONIC		2	3
--MINERALIZATION		0	4
--MINERALIZATION, VASCULAR		0	1
--B-INTERSTITIAL CELL TUMOR		0	3

TABLE 34 — Covance 6329-228, 3M T-6316.1

Incidence of Microscopic Observations

Terminal Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=T;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER-OF-ANIMALS-AFFECTED ---	
SEX:		--MALE--	
GROUP:		-8-	-9-
NUMBER:		11	20
SKIN (SK)	NUMBER EXAMINED:	11	4
	NOT REMARKABLE:	7	0
--ATROPHY, ADNEXAL		0	1
--CYST, EPIDERMAL INCLUSION		1	1
--EROSION		0	2
--FIBROSIS		0	1
--HEMORRHAGE		1	0
--INFLAMMATION, ACUTE		2	1
--INFLAMMATION, CHRONIC-ACTIVE		0	1
--B-ADENOMA, BASAL CELL		1	1
--B-FIBROMA		0	2
--B-PAPILLOMA, SQUAMOUS CELL		1	0
--M-CARCINOMA, SQUAMOUS CELL		1	0
MAMMARY, FEMALE (MF)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
BONE, FEMUR (FE)	NUMBER EXAMINED:	11	0
	NOT REMARKABLE:	11	0
MARROW, FEMUR (FM)	NUMBER EXAMINED:	11	0
	NOT REMARKABLE:	11	0

TABLE 34

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Terminal Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=T;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
SEX:		--MALE--	
GROUP:		-8-	-9-
NUMBER:		11	20
MARROW, STERNUM (SE)	NUMBER EXAMINED:	11	0
	NOT REMARKABLE:	11	0
BONE, STERNUM (SB)	NUMBER EXAMINED:	11	0
	NOT REMARKABLE:	11	0
EYE (EY)	NUMBER EXAMINED:	11	1
	NOT REMARKABLE:	11	0
--CATARACT		0	1
BRAIN (BR)	NUMBER EXAMINED:	11	2
	NOT REMARKABLE:	4	0
--COMPRESSION, VENTRAL		4	2
--DILATATION, VENTRICULAR		3	0
--INFLAMMATION, CHRONIC		1	0
--MINERALIZATION		2	0
SPINAL CORD (SC)	NUMBER EXAMINED:	11	0
	NOT REMARKABLE:	11	0
MUSCLE, SKELETAL (SM)	NUMBER EXAMINED:	11	0
	NOT REMARKABLE:	11	0

TABLE 34

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Terminal Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=T;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
SEX:		--MALE--	
GROUP:		-8-	-9-
NUMBER:		11	20
NERVE, SCIATIC (SN)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0
HEART (HT)	NUMBER EXAMINED:	11	0
	NOT REMARKABLE:	3	0
--DEGENERATION/NECROSIS		8	0
--FIBROSIS		8	0
LN, MESENTERIC (MS)	NUMBER EXAMINED:	11	2
	NOT REMARKABLE:	11	1
--HEMORRHAGE		0	1
--N-HEMANGIOSARCOMA		0	1
SPLEEN (SP)	NUMBER EXAMINED:	11	3
	NOT REMARKABLE:	11	1
--B-LEIOMYOMA		0	1
--M-HEMANGIOSARCOMA		0	1
THYMUS (TH)	NUMBER EXAMINED:	11	0
	NOT REMARKABLE:	10	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0

TABLE 34

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Terminal Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=T;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER-OF-ANIMALS-AFFECTED ---	
SEX:		--MALE--	
GROUP:		-8-	-9-
NUMBER:		11	20
ESOPHAGUS (ES)	NUMBER EXAMINED:	11	0
	NOT REMARKABLE:	11	0
TRACHEA (TR)	NUMBER EXAMINED:	11	0
	NOT REMARKABLE:	11	0
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	11	0
	NOT REMARKABLE:	4	0
--HEMORRHAGE		1	0
--HYPERTROPHY		2	0
--VACUOLATION		7	0
ADRENAL, MEDULLA (MA)	NUMBER EXAMINED:	11	0
	NOT REMARKABLE:	7	0
--ONE EXAMINED		1	0
--B-PHEOCHROMOCYTOMA		4	0
PITUITARY (PI)	NUMBER EXAMINED:	11	9
	NOT REMARKABLE:	1	0
--CYST		0	1
--HEMORRHAGE		3	7
--HYPERPLASIA		1	0
--B-ADENOMA		9	9

TABLE 34 Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Terminal Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=T;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
SEX:		--MALE--	
GROUP:		-8-	-9-
NUMBER:		11	20
HARDERIAN GLAND (HG)	NUMBER EXAMINED:	11	0
	NOT REMARKABLE:	10	0
--INFLAMMATION, CHRONIC		1	0
SALIV GL, MANDIB (SG)	NUMBER EXAMINED:	11	0
	NOT REMARKABLE:	11	0
STOMACH, GL (ST)	NUMBER EXAMINED:	11	6
	NOT REMARKABLE:	9	3
--EDEMA		1	1
--EROSION		1	3
--MINERALIZATION		1	0
STOMACH, NONGL (SU)	NUMBER EXAMINED:	11	1
	NOT REMARKABLE:	10	0
--EROSION		1	0
--INFLAMMATION, ACUTE		1	0
--INFLAMMATION, CHRONIC-ACTIVE		0	1
--B-LEIOMYOMA		1	0
--M-CARCINOMA, SQUAMOUS CELL		0	1
DUODENUM (DU)	NUMBER EXAMINED:	11	0
	NOT REMARKABLE:	11	0

TABLE 34 Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Terminal Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=T;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
SEX:		--MALE--	
GROUP:		-8-	-9-
NUMBER:		11	20
JEJUNUM (JE)	NUMBER EXAMINED:	11	0
	NOT REMARKABLE:	11	0
ILEUM (IL)	NUMBER EXAMINED:	11	0
	NOT REMARKABLE:	11	0
CECUM (CE)	NUMBER EXAMINED:	11	0
	NOT REMARKABLE:	11	0
COLON (CO)	NUMBER EXAMINED:	11	0
	NOT REMARKABLE:	11	0
RECTUM (RE)	NUMBER EXAMINED:	11	0
	NOT REMARKABLE:	11	0
URINARY BLADDER (UB)	NUMBER EXAMINED:	11	20
	NOT REMARKABLE:	9	7
--CALCULUS		0	13
--HYPERPLASIA, TRANSITIONAL CELL		2	0
--INFLAMMATION, CHRONIC		1	0

TABLE 34

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Terminal Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=T;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
SEX:		--MALE--	
GROUP:		-8-	-9-
NUMBER:		11	20
UTERUS (UT)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
OVARY (OV)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
CERVIX (CV)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
VAGINA (VA)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
PROSTATE (PR)	NUMBER EXAMINED:	11	0
	NOT REMARKABLE:	2	0
--EDEMA		1	0
--INFLAMMATION, ACUTE		3	0
--INFLAMMATION, CHRONIC		2	0
--INFLAMMATION, CHRONIC-ACTIVE		4	0
SEMINAL VESICLES (SV)	NUMBER EXAMINED:	11	0
	NOT REMARKABLE:	9	0
--INFLAMMATION, CHRONIC		1	0

TABLE 34

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Terminal Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=T;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	--MALE--	
	GROUP:	-8-	-9-
	NUMBER:	11	20
** FROM PREVIOUS PAGE **			
SEMINAL VESICLES (SV)	NUMBER EXAMINED:	11	0
	NOT REMARKABLE:	9	0
--INFLAMMATION, CHRONIC-ACTIVE		1	0
EPIDIDYMIDES (EP)	NUMBER EXAMINED:	11	0
	NOT REMARKABLE:	11	0
DEATH COMMENT (DC)	NUMBER EXAMINED:	11	20
	NOT REMARKABLE:	0	0
--SCHEDULED SACRIFICE		11	20
LN, MANDIBULAR (MN)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
LN, AXILLARY (AX)	NUMBER EXAMINED:	0	2
	NOT REMARKABLE:	0	1
--HEMORRHAGE		0	1
--INFILTRATE, MACROPHAGE, VACUOLATED		0	1
FOOT/FOOTPAD (FP)	NUMBER EXAMINED:	3	2
	NOT REMARKABLE:	0	0
--EROSION		2	0

TABLE 34 Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Terminal Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=T;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
SEX:		--MALE--	
GROUP:		-8-	-9-
NUMBER:		11	20
** FROM PREVIOUS PAGE **			
FOOT/FOOTPAD (FP)	NUMBER EXAMINED:	3	2
	NOT REMARKABLE:	0	0
--FIBROSIS		2	2
--HEMORRHAGE		2	0
--INFLAMMATION, ACUTE		3	0
--INFLAMMATION, CHRONIC ACTIVE		0	1
LN, INGUINAL (IN)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
AORTA (AO)	NUMBER EXAMINED:	0	1
	NOT REMARKABLE:	0	1
LN, RENAL (RL)	NUMBER EXAMINED:	2	1
	NOT REMARKABLE:	1	0
--DILATATION, SINUSOIDAL		1	1
--FIBROSIS		0	1
--HEMORRHAGE		1	1
--INFILTRATE, MACROPHAGE, PIGMENTED		1	0
LN, LUMBAR/ILIAC (LM)	NUMBER EXAMINED:	2	1
	NOT REMARKABLE:	1	0
--DILATATION, SINUSOIDAL		1	0

TABLE 34

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Terminal Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=T;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
SEX:		--MALE--	
GROUP:		-8-	-9-
NUMBER:		11	20
** FROM PREVIOUS PAGE **			
LN, LUMBAR/ILIAC (LM)	NUMBER EXAMINED:	2	1
	NOT REMARKABLE:	1	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	1
HEMATO NEOPLASIA (HN)	NUMBER EXAMINED:	11	2
	NOT REMARKABLE:	10	0
--M-LYMPHOMA		1	0
--M-SARCOMA, HISTIOCYTIC		0	2
MAMMARY, MALE (MM)	NUMBER EXAMINED:	5	0
	NOT REMARKABLE:	0	0
--GALACTOCELE		5	0
--MINERALIZATION		1	0
--B-FIBROADENOMA		1	0
CAVITY, ABDOM (PC)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
TAIL (TI)	NUMBER EXAMINED:	0	2
	NOT REMARKABLE:	0	0
--CYST, EPIDERMAL INCLUSION		0	1
--B-PAPILLOMA, SQUAMOUS CELL		0	1

TABLE 34 Covance 6329-228
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Terminal Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=T;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
SEX:		--MALE--	
GROUP:		-8-	-9-
NUMBER:		11	20
URETER (UE)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
CAVITY, ORAL (OC)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
CALVARIUM/SKULL (CA)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
LN, MEDIASTINAL (ML)	NUMBER EXAMINED:	1	0
	NOT REMARKABLE:	0	0
--DILATATION, SINUSOIDAL		1	0
LN, OTHER (LN)	NUMBER EXAMINED:	1	1
	NOT REMARKABLE:	1	0
--INFILTRATE, MACROPHAGE, PIGMENTED		0	1
BILE DUCT (BD)	NUMBER EXAMINED:	0	1
	NOT REMARKABLE:	0	1

TABLE 34 Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Terminal Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
TABLE INCLUDES: SEX=ALL;GROUP=ALL;WEEKS=ALL DEATH=T;FIND=ALL;SUBSET=ALL	SEX:	--MALE--	
	GROUP:	-8-	-9-
ORGAN AND FINDING DESCRIPTION	NUMBER:	11	20
AUDITORY SEB GL (AS)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
LN, ANT MES/PANC (AP)	NUMBER EXAMINED:	0	1
	NOT REMARKABLE:	0	0
--HEMORRHAGE		0	1
--INFILTRATE, MACROPHAGE, PIGMENTED		0	1
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	1
ADIPOSE TISSUE (AT)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
JOINT, OTHER (JT)	NUMBER EXAMINED:	2	0
	NOT REMARKABLE:	0	0
--EDEMA		2	0
--EXOSTOSES		2	0
--FIBROSIS		1	0
--INFLAMMATION, ACUTE, SYNOVIAL		1	0
--INFLAMMATION, CHRONIC-ACTIVE, SYNOVIAL		1	0
LN, POPLITEAL (PP)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0

TABLE 34 Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Terminal Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
TABLE INCLUDES:			
SEX=ALL;GROUP=ALL;WEEKS=ALL	SEX:	--MALE--	
DEATH=T;FIND=ALL;SUBSET=ALL			
	GROUP:	-8-	-9-
ORGAN AND FINDING DESCRIPTION	NUMBER:	11	20
		-=-	-=-
NASAL TURBINATE (NT)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0

TABLE 34

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Terminal Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=T;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER-OF-ANIMALS-AFFECTED ---	
SEX:		-FEMALE-	
GROUP:		-8-	-9-
NUMBER:		13	15
** TOP OF LIST **			
LUNG (LU)	NUMBER EXAMINED:	13	15
	NOT REMARKABLE:	8	10
--HEMORRHAGE		1	0
--INFILTRATE, MACROPHAGE, ALVEOLAR		1	1
--INFLAMMATION, GRANULOMATOUS		1	0
--MINERALIZATION		0	1
--MINERALIZATION, VASCULAR		2	3
KIDNEY (KD)	NUMBER EXAMINED:	13	15
	NOT REMARKABLE:	0	0
--CAST, PROTEINACEOUS		5	7
--CYST		0	1
--DILATATION, PELVIC		0	1
--INFLAMMATION, CHRONIC		0	1
--MINERALIZATION, PELVIC		7	10
--MINERALIZATION, TUBULAR		1	0
--NEPHROPATHY, CHRONIC PROGRESSIVE		4	4
--PYELONEPHRITIS		0	1
LIVER (LI)	NUMBER EXAMINED:	13	15
	NOT REMARKABLE:	7	3
--CYST, BILIARY		1	0
--DEGENERATION, CYSTIC		1	1
--FIBROSIS		1	0
--FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC		1	2

TABLE 34 Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Terminal Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=T;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER-OF-ANIMALS-AFFECTED ---	
SEX:		-FEMALE-	
GROUP:		-8-	-9-
NUMBER:		13	15
** FROM PREVIOUS PAGE **			
LIVER (LI)	NUMBER EXAMINED:	13	15
	NOT REMARKABLE:	7	3
--FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC		3	5
--HYPERPLASIA, BILE DUCT		2	2
--INFLAMMATION, CHRONIC		4	4
--NECROSIS, HEPATOCELLULAR		1	0
--TELANGIECTASIS		3	2
--THROMBUS		0	1
--VACUOLATION, HEPATOCELLULAR		2	1
--B-ADENOMA, HEPATOCELLULAR		1	0
PANCREAS (PA)	NUMBER EXAMINED:	13	15
	NOT REMARKABLE:	8	13
--ATROPHY, ACINAR		2	1
--HEMORRHAGE		2	0
--B-ADENOMA, ISLET CELL		3	1
THYROID (TY)	NUMBER EXAMINED:	13	15
	NOT REMARKABLE:	7	8
--CYST, FOLLICULAR		1	0
--CYST, ULTIMOBRANCHIAL		5	2
--HYPERPLASIA, C-CELL		0	2
--B-ADENOMA, C-CELL		4	3
--B-ADENOMA, FOLLICULAR CELL		0	1

TABLE 34

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Terminal Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
TABLE INCLUDES: SEX=ALL;GROUP=ALL;WEEKS=ALL; DEATH=T;FIND=ALL;SUBSET=ALL	SEX:	-FEMALE-	
	GROUP:	-8-	-9-
ORGAN AND FINDING DESCRIPTION	NUMBER:	13	15
PARATHYROID (PT)	NUMBER EXAMINED:	13	1
	NOT REMARKABLE:	11	1
--HYPERPLASIA		2	0
TESTIS (TE)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
SKIN (SK)	NUMBER EXAMINED:	13	3
	NOT REMARKABLE:	11	0
--CYST, EPIDERMAL INCLUSION		0	1
--FIBROSIS		1	0
--INFLAMMATION, CHRONIC-ACTIVE		0	1
--B-KERATOACANTHOMA		0	1
--B-PAPILLOMA, SQUAMOUS CELL		0	1
--B-ADENOMA, SEBACEOUS GLAND		1	0
MAMMARY, FEMALE (MF)	NUMBER EXAMINED:	13	15
	NOT REMARKABLE:	3	3
--FIBROSIS		1	0
--GALACTOCELE		9	10
--HEMORRHAGE		4	0
--INFLAMMATION, ACUTE		1	0
--MINERALIZATION		3	2
--PIGMENT		1	0

TABLE 34 Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Terminal Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=T;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---	
SEX:		-FEMALE-	
GROUP:		-8-	-9-
NUMBER:		13	15
** FROM PREVIOUS PAGE **			
MAMMARY, FEMALE (MF)	NUMBER EXAMINED:	13	15
	NOT REMARKABLE:	3	3
--B-ADENOMA		1	1
--B-FIBROADENOMA		6	6
--M-CARCINOMA		6	1
BONE, FEMUR (FE)	NUMBER EXAMINED:	13	0
	NOT REMARKABLE:	13	0
MARROW, FEMUR (FM)	NUMBER EXAMINED:	13	0
	NOT REMARKABLE:	13	0
MARROW, STERNUM (SE)	NUMBER EXAMINED:	13	0
	NOT REMARKABLE:	13	0
BONE, STERNUM (SB)	NUMBER EXAMINED:	13	0
	NOT REMARKABLE:	13	0
EYE (EY)	NUMBER EXAMINED:	13	0
	NOT REMARKABLE:	11	0
--FIBROSIS, CORNEAL		1	0
--INFLAMMATION, ACUTE, CORNEAL		2	0

TABLE 34 Covance 6329-228
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Incidence of Microscopic Observations

Terminal Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=T;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
SEX:		-FEMALE-	
GROUP:		-8-	-9-
NUMBER:		13	15
** FROM PREVIOUS PAGE **			
EYE (EY)	NUMBER EXAMINED:	13	0
	NOT REMARKABLE:	11	0
--ULCERATION, CORNEAL		1	0
--VASCULARIZATION, CORNEAL		1	0
BRAIN (BR)	NUMBER EXAMINED:	13	10
	NOT REMARKABLE:	7	0
--COMPRESSION, VENTRAL		5	10
--DILATATION, VENTRICULAR		4	2
--INFLAMMATION, CHRONIC		1	0
SPINAL CORD (SC)	NUMBER EXAMINED:	13	0
	NOT REMARKABLE:	13	0
MUSCLE, SKELETAL (SM)	NUMBER EXAMINED:	13	1
	NOT REMARKABLE:	13	0
--I-LEIOMYOSARCOMA		0	1
NERVE, SCIATIC (SN)	NUMBER EXAMINED:	13	0
	NOT REMARKABLE:	13	0

TABLE 34

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Terminal Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=T;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	-FEMALE-	
	GROUP:	-8-	-9-
	NUMBER:	13	15
HEART (HT)	NUMBER EXAMINED:	13	0
	NOT REMARKABLE:	9	0
--DEGENERATION/NECROSIS		3	0
--FIBROSIS		2	0
--INFLAMMATION, CHRONIC		1	0
--METAPLASIA, CARTILAGE		1	0
LN, MESENTERIC (MS)	NUMBER EXAMINED:	13	0
	NOT REMARKABLE:	11	0
--HEMORRHAGE		1	0
--INFILTRATE, MACROPHAGE, PIGMENTED		2	0
SPLEEN (SP)	NUMBER EXAMINED:	13	1
	NOT REMARKABLE:	12	0
--HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED		1	1
THYMUS (TH)	NUMBER EXAMINED:	13	0
	NOT REMARKABLE:	9	0
--CYST		3	0
--M-THYMIC CARCINOMA		1	0
ESOPHAGUS (ES)	NUMBER EXAMINED:	13	0
	NOT REMARKABLE:	13	0

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Covance 6329-228
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Incidence of Microscopic Observations

Terminal Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=T;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	-FEMALE-	
	GROUP:	-8-	-9-
	NUMBER:	13	15
TRACHEA (TR)	NUMBER EXAMINED:	13	0
	NOT REMARKABLE:	13	0
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	13	4
	NOT REMARKABLE:	1	0
--ANGIECTASIS		8	3
--DEGENERATION, CYSTIC, CORTICAL		5	1
--HEMORRHAGE		12	4
--MINERALIZATION		1	0
--PIGMENT		2	2
--THROMBUS		4	1
--VACUOLATION		2	0
--B-ADENOMA		2	0
ADRENAL, MEDULLA (MA)	NUMBER EXAMINED:	13	1
	NOT REMARKABLE:	13	0
--NECROSIS, MEDULLARY		0	1
--B-PHEOCHROMOCYTOMA		0	1
PITUITARY (PI)	NUMBER EXAMINED:	13	12
	NOT REMARKABLE:	1	0
--CYST		0	1
--HEMORRHAGE		10	11
--PIGMENT		1	2

TABLE 34 — Covance 6329-228, 3M T-6316.1

Incidence of Microscopic Observations

Terminal Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=T;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER-OF-ANIMALS-AFFECTED ---	
	SEX:	-FEMALE-	
	GROUP:	-8-	-9-
	NUMBER:	13	15
** FROM PREVIOUS PAGE **			
PITUITARY (PI)	NUMBER EXAMINED:	13	12
	NOT REMARKABLE:	1	0
--B-ADENOMA		12	12
HARDERIAN GLAND (HG)	NUMBER EXAMINED:	13	0
	NOT REMARKABLE:	8	0
--HYPERPLASIA, GLANDULAR		1	0
--INFLAMMATION, CHRONIC		4	0
SALIV GL, MANDIB (SG)	NUMBER EXAMINED:	13	0
	NOT REMARKABLE:	13	0
STOMACH, GL (ST)	NUMBER EXAMINED:	13	1
	NOT REMARKABLE:	12	0
--EDEMA		0	1
--EROSION		1	0
STOMACH, NONGL (SU)	NUMBER EXAMINED:	13	0
	NOT REMARKABLE:	13	0
DUODENUM (DU)	NUMBER EXAMINED:	13	0
	NOT REMARKABLE:	13	0

TABLE 34

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Terminal Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---		
TABLE INCLUDES: SEX=ALL;GROUP=ALL;WEEKS=ALL DEATH=T;FIND=ALL;SUBSET=ALL	SEX:	-FEMALE-		
	GROUP:	-8-	-9-	
ORGAN AND FINDING DESCRIPTION	NUMBER:	13	15	
JEJUNUM (JE)	NUMBER EXAMINED:	13	0	
	NOT REMARKABLE:	13	0	
ILEUM (IL)	NUMBER EXAMINED:	13	0	
	NOT REMARKABLE:	13	0	
CECUM (CE)	NUMBER EXAMINED:	13	0	
	NOT REMARKABLE:	13	0	
COLON (CO)	NUMBER EXAMINED:	13	0	
	NOT REMARKABLE:	13	0	
RECTUM (RE)	NUMBER EXAMINED:	13	1	
	NOT REMARKABLE:	8	0	
--PARASITISM		5	0	
--M-LEIOMYOSARCOMA		0	1	
URINARY BLADDER (UB)	NUMBER EXAMINED:	13	15	
	NOT REMARKABLE:	13	15	

TABLE 34

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Terminal Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=T;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	-FEMALE-	
	GROUP:	-8-	-9-
	NUMBER:	13	15
UTERUS (UT)	NUMBER EXAMINED:	13	2
	NOT REMARKABLE:	9	0
--DILATATION		3	2
--HYPERPLASIA, CYSTIC, ENDOMETRIAL		0	1
--B-POLYP, ENDOMETRIAL, STROMAL		1	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0
OVARY (OV)	NUMBER EXAMINED:	13	5
	NOT REMARKABLE:	9	3
--CYST		4	2
--B-GRANULOSA/THECA CELL TUMOR		1	0
CERVIX (CV)	NUMBER EXAMINED:	13	1
	NOT REMARKABLE:	12	0
--HYPERTROPHY, MUSCULAR		0	1
--B-LEIOMYOMA		1	0
VAGINA (VA)	NUMBER EXAMINED:	13	0
	NOT REMARKABLE:	13	0
PROSTATE (PR)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0

TABLE 34

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Terminal Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=T;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
SEX:		-FEMALE-	
GROUP:		-8-	-9-
NUMBER:		13	15
SEMINAL VESICLES (SV)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
EPIDIDYMIDES (EP)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
DEATH COMMENT (DC)	NUMBER EXAMINED:	13	15
	NOT REMARKABLE:	0	0
--SCHEDULED SACRIFICE		13	15
LN, MANDIBULAR (MN)	NUMBER EXAMINED:	2	2
	NOT REMARKABLE:	0	1
--HEMORRHAGE		1	0
--HYPERPLASIA, LYMPHOCYTIC		1	1
LN, AXILLARY (AX)	NUMBER EXAMINED:	4	3
	NOT REMARKABLE:	4	1
--HEMORRHAGE		0	2
--INFILTRATE, MACROPHAGE, VACUOLATED		0	1

TABLE 34

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Terminal Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
TABLE INCLUDES: SEX=ALL;GROUP=ALL;WEEKS=ALL; DEATH=T;FIND=ALL;SUBSET=ALL	SEX:	-FEMALE-	
	GROUP:	-8-	-9-
ORGAN AND FINDING DESCRIPTION	NUMBER:	13	15
FOOT/FOOTPAD (FP)	NUMBER EXAMINED:	2	3
	NOT REMARKABLE:	0	0
--CYST		0	1
--EROSION		2	2
--EXOSTOSES		0	1
--FIBROSIS		2	1
--INFLAMMATION, ACUTE		2	1
--INFLAMMATION, CHRONIC ACTIVE		0	1
--PIGMENT		0	1
LN, INGUINAL (IN)	NUMBER EXAMINED:	1	0
	NOT REMARKABLE:	0	0
--HYPERPLASIA, LYMPHOCYTIC		1	0
AORTA (AO)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
LN, RENAL (RL)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
LN, LUMBAR/ILIAC (LM)	NUMBER EXAMINED:	1	2
	NOT REMARKABLE:	1	2

TABLE 34

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Terminal Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=T;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
SEX:		-FEMALE-	
GROUP:		-8-	-9-
NUMBER:		13	15
HEMATO NEOPLASIA (HN)	NUMBER EXAMINED:	13	0
	NOT REMARKABLE:	12	0
--M-SARCOMA, HISTIOCYTIC		1	0
MAMMARY, MALE (MM)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
CAVITY, ABDOM (PC)	NUMBER EXAMINED:	1	0
	NOT REMARKABLE:	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0
TAIL (TI)	NUMBER EXAMINED:	0	1
	NOT REMARKABLE:	0	0
--EROSION		0	1
--INFLAMMATION, ACUTE		0	1
--M-FIBROSARCOMA		0	1
URETER (UE)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
CAVITY, ORAL (OC)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0

TABLE 34

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Terminal Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=T;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
SEX:		-FEMALE-	
GROUP:		-8-	-9-
NUMBER:		13	15
CALVARIUM/SKULL (CA)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
LN, MEDIASTINAL (ML)	NUMBER EXAMINED:	2	0
	NOT REMARKABLE:	0	0
--HEMORRHAGE		2	0
LN, OTHER (LN)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
BILE DUCT (BD)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
AUDITORY SEB GL (AS)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
LN, ANT MES/PANC (AP)	NUMBER EXAMINED:	1	0
	NOT REMARKABLE:	1	0

TABLE 34

Covance 6329-228
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Incidence of Microscopic Observations

Terminal Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
TABLE INCLUDES: SEX=ALL;GROUP=ALL;WEEKS=ALL; DEATH=T;FIND=ALL;SUBSET=ALL	SEX:	-FEMALE-	
	GROUP:	-8-	-9-
ORGAN AND FINDING DESCRIPTION	NUMBER:	13	15
ADIPOSE TISSUE (AT)	NUMBER EXAMINED:	1	0
	NOT REMARKABLE:	0	0
--M-LIPOSARCOMA		1	0
JOINT, OTHER (JT)	NUMBER EXAMINED:	0	1
	NOT REMARKABLE:	0	0
--EXOSTOSES		0	1
--FIBROSIS		0	1
--INFLAMMATION, CHRONIC, SYNOVIAL		0	1
LN, POPLITEAL (PP)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
NASAL TURBINATE (NT)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0

TABLE 35

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
SEX:		--MALE--	
GROUP:		-8-	-9-
NUMBER:		39	30
** TOP OF LIST **			
LUNG (LU)	NUMBER EXAMINED:	39	30
	NOT REMARKABLE:	31	20
--FIBROSIS, PLEURAL/SUBPLEURAL		1	1
--INFLAMMATION, CHRONIC		2	3
--INFILTRATE, MACROPHAGE, ALVEOLAR		3	1
--INFLAMMATION, GRANULOMATOUS		0	1
--MINERALIZATION		0	1
--MINERALIZATION, VASCULAR		3	5
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	1
--N-TRANSITIONAL CELL CARCINOMA		1	0
KIDNEY (KD)	NUMBER EXAMINED:	39	30
	NOT REMARKABLE:	2	3
--CAST, PROTEINACEOUS		12	5
--CYST		2	1
--DILATATION, PELVIC		8	5
--HYPERPLASIA, TRANSITIONAL CELL		0	1
--INFARCT		2	1
--INFLAMMATION, CHRONIC		0	2
--MINERALIZATION		1	1
--MINERALIZATION, PELVIC		3	2
--MINERALIZATION, TUBULAR		1	2
--NEPHROPATHY, CHRONIC PROGRESSIVE		23	19
--PYELONEPHRITIS		6	0
--THROMBUS		4	0
--I-TRANSITIONAL CELL CARCINOMA		1	0

TABLE 35

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	--MALE--	
	GROUP:	-8-	-9-
	NUMBER:	39	30
LIVER (LI)	NUMBER EXAMINED:	39	30
	NOT REMARKABLE:	14	15
--CYST		2	0
--DEGENERATION, CYSTIC		3	4
--FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC		3	3
--HEMATOPOIESIS, EXTRAMEDULLARY		2	1
--HEMORRHAGE		2	1
--HYPERPLASIA, BILE DUCT		3	3
--INFILTRATE, MAST CELLS		0	1
--INFLAMMATION, CHRONIC		10	3
--LIPIDOSIS, SUBCAPSULAR (TENSION LIPIDOSIS)		1	1
--NECROSIS, HEPATOCELLULAR		1	3
--VACUOLATION, HEPATOCELLULAR		14	3
--B-ADENOMA, HEPATOCELLULAR		4	2
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	2
PANCREAS (PA)	NUMBER EXAMINED:	39	30
	NOT REMARKABLE:	28	19
--ATROPHY, ACINAR		4	2
--HEMORRHAGE		0	1
--HYPERTROPHY, VASCULAR		1	1
--INFLAMMATION, VASCULAR		0	1
--PIGMENT		6	4
--THROMBUS		1	1
--B-ADENOMA, ISLET CELL		2	5
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	1

TABLE 35

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	--MALE--	
	GROUP:	-8-	-9-
	NUMBER:	39	30
THYROID (TY)	NUMBER EXAMINED:	39	30
	NOT REMARKABLE:	29	19
--CYST, FOLLICULAR		5	4
--CYST, ULTIMOBRANCHIAL		4	4
--HYPERPLASIA, C-CELL		0	1
--HYPERPLASIA, FOLLICULAR CELL		1	1
--B-ADENOMA, C-CELL		2	1
--B-ADENOMA, FOLLICULAR CELL		0	1
PARATHYROID (PT)	NUMBER EXAMINED:	38	4
	NOT REMARKABLE:	32	2
--HYPERPLASIA		6	2
TESTIS (TE)	NUMBER EXAMINED:	39	25
	NOT REMARKABLE:	33	21
--ATROPHY/DEGENERATION		3	3
--INFLAMMATION, CHRONIC		2	1
--MINERALIZATION		3	0
--MINERALIZATION, VASCULAR		0	1
--SPERMATOCELE		1	0
SKIN (SK)	NUMBER EXAMINED:	39	11
	NOT REMARKABLE:	32	2
--ATROPHY, ADNEXAL		0	1

TABLE 35 Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Unscheduled Deaths

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
SEX:		--MALE--	
GROUP:		-8-	-9-
NUMBER:		39	30
** FROM PREVIOUS PAGE **			
SKIN (SK)	NUMBER EXAMINED:	39	11
	NOT REMARKABLE:	32	2
--CYST, EPIDERMAL INCLUSION		1	1
--EDEMA		1	1
--EROSION		0	3
--HEMORRHAGE		1	1
--INFLAMMATION, ACUTE		1	5
--B-BASAL CELL TUMOR		1	0
--B-FIBROMA		3	0
--B-KERATOACANTHOMA		0	2
--M-CARCINOMA, SQUAMOUS CELL		0	1
--M-FIBROSARCOMA		0	1
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	1
MAMMARY, FEMALE (MF)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
BONE, FEMUR (FE)	NUMBER EXAMINED:	39	0
	NOT REMARKABLE:	38	0
--HEMORRHAGE		1	0
--INFLAMMATION, CHRONIC		1	0
MARROW, FEMUR (FM)	NUMBER EXAMINED:	39	0
	NOT REMARKABLE:	39	0

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	--MALE--	
	GROUP:	-8-	-9-
	NUMBER:	39	30
MARROW, STERNUM (SE)	NUMBER EXAMINED:	39	0
	NOT REMARKABLE:	39	0
BONE, STERNUM (SB)	NUMBER EXAMINED:	39	0
	NOT REMARKABLE:	39	0
EYE (EY)	NUMBER EXAMINED:	39	1
	NOT REMARKABLE:	35	1
--INFLAMMATION, ACUTE, CORNEAL		4	0
--INFLAMMATION, ACUTE, CILIARY		2	0
--ULCERATION, CORNEAL		1	0
--VASCULARIZATION, CORNEAL		2	0
BRAIN (BR)	NUMBER EXAMINED:	39	16
	NOT REMARKABLE:	20	2
--COMPRESSION, VENTRAL		19	14
--DILATATION, VENTRICULAR		14	7
--HEMORRHAGE		2	0
SPINAL CORD (SC)	NUMBER EXAMINED:	39	0
	NOT REMARKABLE:	38	0
--HEMORRHAGE		1	0

TABLE 35

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TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	--MALE--	
	GROUP:	-8-	-9-
	NUMBER:	39	30
MUSCLE, SKELETAL (SM)	NUMBER EXAMINED:	39	1
	NOT REMARKABLE:	39	0
--I-SQUAMOUS CELL CARCINOMA		0	1
NERVE, SCIATIC (SN)	NUMBER EXAMINED:	39	0
	NOT REMARKABLE:	39	0
HEART (HT)	NUMBER EXAMINED:	39	3
	NOT REMARKABLE:	17	1
--DEGENERATION/NECROSIS		21	2
--FIBROSIS		14	1
--MINERALIZATION		1	0
--THROMBUS, ATRIAL		2	0
LN, MESENTERIC (MS)	NUMBER EXAMINED:	38	4
	NOT REMARKABLE:	34	4
--DILATATION, SINUSOIDAL		1	0
--HEMORRHAGE		2	0
--INFILTRATE, MACROPHAGE, PIGMENTED		2	0
SPLEEN (SP)	NUMBER EXAMINED:	39	4
	NOT REMARKABLE:	36	1
--HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED		2	2

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TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	--MALE--	
	GROUP:	-8-	-9-
	NUMBER:	39	30
** FROM PREVIOUS PAGE **			
SPLEEN (SP)	NUMBER EXAMINED:	39	4
	NOT REMARKABLE:	36	1
--THROMBUS		0	1
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0
THYMUS (TH)	NUMBER EXAMINED:	38	1
	NOT REMARKABLE:	34	0
--CYST		3	0
--HEMORRHAGE		2	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	1
ESOPHAGUS (ES)	NUMBER EXAMINED:	39	0
	NOT REMARKABLE:	39	0
TRACHEA (TR)	NUMBER EXAMINED:	39	0
	NOT REMARKABLE:	39	0
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	39	6
	NOT REMARKABLE:	17	1
--ANGIECTASIS		1	0
--DEGENERATION, CYSTIC, CORTICAL		5	1
--HEMATOPOIESIS, EXTRAMEDULLARY		0	1
--HEMORRHAGE		6	2

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Covance 6329-228
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Unscheduled Deaths

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	--MALE--	
	GROUP:	-8-	-9-
	NUMBER:	39	30
** FROM PREVIOUS PAGE **			
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	39	6
	NOT REMARKABLE:	17	1
--HYPERTROPHY		2	1
--ONE EXAMINED		2	0
--THROMBUS		1	0
--VACUOLATION		13	3
ADRENAL, MEDULLA (MA)	NUMBER EXAMINED:	39	3
	NOT REMARKABLE:	33	0
--ONE EXAMINED		2	0
--HEMATOPOIESIS, EXTRAMEDULLARY		0	1
--HEMORRHAGE		0	1
--B-PHEOCHROMOCYTOMA		4	3
PITUITARY (PI)	NUMBER EXAMINED:	39	17
	NOT REMARKABLE:	8	0
--CYST		1	2
--HEMORRHAGE		14	14
--INFLAMMATION, CHRONIC		1	0
--PIGMENT		0	2
--B-ADENOMA		30	17

TABLE 35 Covance 6329-228
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Incidence of Microscopic Observations

Unscheduled Deaths

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	--MALE--	
	GROUP:	-8-	-9-
	NUMBER:	39	30
HARDERIAN GLAND (HG)	NUMBER EXAMINED:	39	0
	NOT REMARKABLE:	35	0
--INFLAMMATION, CHRONIC		4	0
SALIV GL, MANDIB (SG)	NUMBER EXAMINED:	39	0
	NOT REMARKABLE:	39	0
STOMACH, GL (ST)	NUMBER EXAMINED:	39	11
	NOT REMARKABLE:	34	6
--EDEMA		2	0
--EROSION		3	3
--INFLAMMATION, ACUTE		1	0
--MINERALIZATION		1	1
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	1
STOMACH, NONGL (SU)	NUMBER EXAMINED:	39	3
	NOT REMARKABLE:	28	1
--ACANTHOSIS		1	0
--EDEMA		9	2
--EROSION		2	1
--FIBROSIS		1	0
--HEMORRHAGE		1	1
--HYPERKERATOSIS, NONGLANDULAR MUCOSA		1	0
--INFLAMMATION, ACUTE		5	2

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Covance 6329-228
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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	--MALE--	
	GROUP:	-8-	-9-
	NUMBER:	39	30
** FROM PREVIOUS PAGE **			
STOMACH, NONGL (SU)	NUMBER EXAMINED:	39	3
	NOT REMARKABLE:	28	1
--INFLAMMATION, CHRONIC-ACTIVE		1	0
--ULCERATION		2	1
DUODENUM (DU)	NUMBER EXAMINED:	38	0
	NOT REMARKABLE:	37	0
--HEMORRHAGE		1	0
--INFLAMMATION, ACUTE		1	0
--ULCERATION		1	0
JEJUNUM (JE)	NUMBER EXAMINED:	34	0
	NOT REMARKABLE:	33	0
--HEMORRHAGE		1	0
--INFLAMMATION, ACUTE		1	0
--ULCERATION		1	0
ILEUM (IL)	NUMBER EXAMINED:	32	0
	NOT REMARKABLE:	31	0
--EROSION		1	0
--INFLAMMATION, ACUTE		1	0

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Covance 6329-228
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Incidence of Microscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	--MALE--	
	GROUP:	-8-	-9-
	NUMBER:	39	30
CECUM (CE)	NUMBER EXAMINED:	36	1
	NOT REMARKABLE:	35	1
--EDEMA		1	0
--INFLAMMATION, ACUTE		1	0
--ULCERATION		1	0
COLON (CO)	NUMBER EXAMINED:	38	0
	NOT REMARKABLE:	36	0
--EDEMA		1	0
--PARASITISM		1	0
RECTUM (RE)	NUMBER EXAMINED:	38	0
	NOT REMARKABLE:	37	0
--PARASITISM		1	0
URINARY BLADDER (UB)	NUMBER EXAMINED:	39	2
	NOT REMARKABLE:	33	1
--HEMORRHAGE		1	0
--HYPERPLASIA, TRANSITIONAL CELL		4	1
--INFLAMMATION, CHRONIC		1	1
--INFLAMMATION, CHRONIC-ACTIVE		2	0
--ULCERATION		1	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0

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Unscheduled Deaths

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TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	--MALE--	
	GROUP:	-8-	-9-
	NUMBER:	39	30
UTERUS (UT)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
OVARY (OV)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
CERVIX (CV)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
VAGINA (VA)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
PROSTATE (PR)	NUMBER EXAMINED:	39	10
	NOT REMARKABLE:	16	1
--HEMORRHAGE		0	1
--INFLAMMATION, ACUTE		6	1
--INFLAMMATION, CHRONIC-ACTIVE		16	7
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	1
--I-TRANSITIONAL CELL CARCINOMA		1	0

TABLE 35

Covance 6329-228
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SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
SEX:		--MALE--	
GROUP:		-8-	-9-
NUMBER:		39	30
SEMINAL VESICLES (SV)	NUMBER EXAMINED:	39	5
	NOT REMARKABLE:	31	1
--EDEMA		1	1
--FIBROSIS		1	0
--INFLAMMATION, ACUTE		2	0
--INFLAMMATION, CHRONIC		2	0
--INFLAMMATION, CHRONIC-ACTIVE		1	0
--PIGMENT		1	0
--SECRETION, INCREASED		2	3
--M-TRANSITIONAL CELL CARCINOMA		1	0
EPIDIDYMIDES (EP)	NUMBER EXAMINED:	39	2
	NOT REMARKABLE:	37	0
--GRANULOMA, SPERM		1	1
--HYPOSPERMIA		1	1
--INFLAMMATION, CHRONIC		0	1
DEATH COMMENT (DC)	NUMBER EXAMINED:	39	30
	NOT REMARKABLE:	0	0
--ATRIAL THROMBUS		1	0
--AUDITORY SEBACEOUS GLAND CARCINOMA		0	1
--CHRONIC PROGRESSIVE NEPHROPATHY		3	2
--CYSTITIS		2	0
--ENTERITIS		1	0
--FIBROMA		1	0

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DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
SEX:		--MALE--	
GROUP:		-8-	-9-
NUMBER:		39	30
** FROM PREVIOUS PAGE **			
DEATH COMMENT (DC)	NUMBER EXAMINED:	39	30
	NOT REMARKABLE:	0	0
--FIBROSARCOMA		0	1
--HEPATOCELLULAR ADENOMA		2	1
--HEPATOCELLULAR NECROSIS		1	0
--HISTIOCYTIC SARCOMA		1	2
--MALIGNANT LYMPHOMA		0	1
--MAMMARY FIBROADENOMA		1	0
--OSTEOGENIC SARCOMA		0	1
--PHEOCHROMOCYTOMA		0	1
--PITUITARY ADENOMA		18	14
--PYELONEPHRITIS		1	0
--SQUAMOUS CELL CARCINOMA		0	1
--TRANSITIONAL CELL CARCINOMA		1	0
--UNDETERMINED		6	5
LN, MANDIBULAR (MN)	NUMBER EXAMINED:	4	4
	NOT REMARKABLE:	2	2
--HEMORRHAGE		2	1
--HYPERPLASIA, LYMPHOCYTIC		0	2
LN, AXILLARY (AX)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0

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SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	--MALE--	
	GROUP:	-8-	-9-
	NUMBER:	39	30
FOOT/FOOTPAD (FP)	NUMBER EXAMINED:	8	4
	NOT REMARKABLE:	0	1
--CYST, KERATIN		1	0
--EDEMA		3	1
--EROSION		6	2
--EXOSTOSES		1	0
--FIBROSIS		3	2
--HEMORRHAGE		1	0
--INFLAMMATION, ACUTE		7	3
--INFLAMMATION, CHRONIC ACTIVE		1	0
LN, INGUINAL (IN)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
AORTA (AO)	NUMBER EXAMINED:	1	1
	NOT REMARKABLE:	0	0
--MINERALIZATION		1	1
LN, RENAL (RL)	NUMBER EXAMINED:	0	2
	NOT REMARKABLE:	0	0
--DILATATION, SINUSOIDAL		0	1
--HEMORRHAGE		0	2

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SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
SEX:		--MALE--	
GROUP:		-8-	-9-
NUMBER:		39	30
LN, LUMBAR/ILIAC (LM)	NUMBER EXAMINED:	3	6
	NOT REMARKABLE:	0	1
--DILATATION, SINUSOIDAL		2	4
--HEMORRHAGE		1	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	1
HEMATO NEOPLASIA (HN)	NUMBER EXAMINED:	39	3
	NOT REMARKABLE:	37	0
--M-LYMPHOMA		1	1
--M-SARCOMA, HISTIOCYTIC		1	2
MAMMARY, MALE (MM)	NUMBER EXAMINED:	6	5
	NOT REMARKABLE:	1	3
--GALACTOCELE		4	1
--INFLAMMATION, CHRONIC		1	0
--B-FIBROADENOMA		1	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	1
CAVITY, ABDOM (PC)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0

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SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
SEX:		--MALE--	
GROUP:		-8-	-9-
NUMBER:		39	30
TAIL (TI)	NUMBER EXAMINED:	2	1
	NOT REMARKABLE:	0	0
--HEMORRHAGE		1	0
--INFLAMMATION, ACUTE		0	1
--B-FIBROMA		1	0
URETER (UE)	NUMBER EXAMINED:	2	0
	NOT REMARKABLE:	0	0
--DILATATION		2	0
CAVITY, ORAL (OC)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
CALVARIUM/SKULL (CA)	NUMBER EXAMINED:	1	1
	NOT REMARKABLE:	0	0
--HEMORRHAGE		1	0
--M-SARCOMA, OSTEOGENIC		0	1
LN, MEDIASTINAL (ML)	NUMBER EXAMINED:	1	1
	NOT REMARKABLE:	0	1
--DILATATION, SINUSOIDAL		1	0
--HEMORRHAGE		1	0

TABLE 35

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER-OF-ANIMALS-AFFECTED ---	
SEX:		--MALE--	
GROUP:		-8-	-9-
NUMBER:		39	30
LN, OTHER (LN)	NUMBER EXAMINED:	1	1
	NOT REMARKABLE:	1	0
--INFILTRATE, MACROPHAGE, PIGMENTED		0	1
BILE DUCT (BD)	NUMBER EXAMINED:	0	1
	NOT REMARKABLE:	0	0
--DILATATION		0	1
AUDITORY SEB GL (AS)	NUMBER EXAMINED:	0	1
	NOT REMARKABLE:	0	0
--M-CARCINOMA		0	1
LN, ANT MES/PANC (AP)	NUMBER EXAMINED:	0	1
	NOT REMARKABLE:	0	0
--DILATATION, SINUSOIDAL		0	1
--INFILTRATE, MACROPHAGE, PIGMENTED		0	1
ADIPOSE TISSUE (AT)	NUMBER EXAMINED:	0	1
	NOT REMARKABLE:	0	0
--FAT NECROSIS		0	1

TABLE 35

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
SEX:		--MALE--	
GROUP:		-8-	-9-
NUMBER:		39	30
JOINT, OTHER (JT)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
LN, POPLITEAL (PP)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
NASAL TURBINATE (NT)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0

TABLE 35

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	-FEMALE-	
	GROUP:	-8-	-9-
	NUMBER:	37	35
** TOP OF LIST **			
LUNG (LU)	NUMBER EXAMINED:	37	35
	NOT REMARKABLE:	31	24
--HEMORRHAGE		0	1
--HYPERPLASIA, TYPE II PNEUMOCYTE		1	1
--INFLAMMATION, CHRONIC		2	1
--INFILTRATE, MACROPHAGE, ALVEOLAR		5	2
--INFILTRATE, MACROPHAGE, PIGMENTED		0	1
--MINERALIZATION, VASCULAR		1	6
KIDNEY (KD)	NUMBER EXAMINED:	37	35
	NOT REMARKABLE:	2	4
--CAST, PROTEINACEOUS		14	10
--CYST		1	0
--DILATATION, PELVIC		1	1
--HEMORRHAGE		1	0
--HYPERPLASIA, TRANSITIONAL CELL		1	0
--INFARCT		1	0
--MINERALIZATION, PELVIC		27	30
--MINERALIZATION, TUBULAR		1	0
--NEPHROPATHY, CHRONIC PROGRESSIVE		7	3
--PYELONEPHRITIS		3	3
LIVER (LI)	NUMBER EXAMINED:	37	35
	NOT REMARKABLE:	19	17
--CYST, BILIARY		1	0

TABLE 35 Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
TABLE INCLUDES:			
SEX=ALL;GROUP=ALL;WEEKS=ALL	SEX:	-FEMALE-	
DEATH=D,M;FIND=ALL;SUBSET=ALL			
	GROUP:	-8-	-9-
ORGAN AND FINDING DESCRIPTION	NUMBER:	37	35
** FROM PREVIOUS PAGE **			
LIVER (LI)	NUMBER EXAMINED:	37	35
	NOT REMARKABLE:	19	17
--DEGENERATION, CYSTIC		0	1
--FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC		0	1
--FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC		0	2
--HEMATOPOIESIS, EXTRAMEDULLARY		1	1
--HEMORRHAGE		1	2
--HYPERPLASIA, BILE DUCT		3	4
--INFLAMMATION, CHRONIC		4	2
--NECROSIS, HEPATOCELLULAR		1	2
--PIGMENT		1	0
--TELANGIECTASIS		2	0
--VACUOLATION, HEPATOCELLULAR		12	7
--B-ADENOMA, HEPATOCELLULAR		1	1
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	1
PANCREAS (PA)	NUMBER EXAMINED:	37	35
	NOT REMARKABLE:	36	30
--ATROPHY, ACINAR		0	5
--HEMORRHAGE		1	0
--B-ADENOMA, ISLET CELL		1	0
THYROID (TY)	NUMBER EXAMINED:	37	35
	NOT REMARKABLE:	22	26
--CYST, ULTIMOBRANCHIAL		9	4

TABLE 35 Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER-OF-ANIMALS-AFFECTED ---	
SEX:		-FEMALE-	
GROUP:		-8-	-9-
NUMBER:		37	35
** FROM PREVIOUS PAGE **			
THYROID (TY)	NUMBER EXAMINED:	37	35
	NOT REMARKABLE:	22	26
--FIBROSIS		1	0
--HEMORRHAGE		0	1
--HYPERPLASIA, C-CELL		1	2
--HYPERPLASIA, FOLLICULAR CELL		0	1
--INFLAMMATION, CHRONIC		1	0
--MINERALIZATION		1	0
--B-ADENOMA, C-CELL		3	3
--B-ADENOMA, FOLLICULAR CELL		1	0
PARATHYROID (PT)	NUMBER EXAMINED:	35	0
	NOT REMARKABLE:	34	0
--FIBROSIS		1	0
TESTIS (TE)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
SKIN (SK)	NUMBER EXAMINED:	37	2
	NOT REMARKABLE:	34	0
--EROSION		1	0
--FIBROSIS		0	1
--HEMORRHAGE		1	0
--INFLAMMATION, ACUTE		1	0

TABLE 35

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER-OF-ANIMALS-AFFECTED ---	
SEX:		-FEMALE-	
GROUP:		-8-	-9-
NUMBER:		37	35
** FROM PREVIOUS PAGE **			
SKIN (SK)	NUMBER EXAMINED:	37	2
	NOT REMARKABLE:	34	0
--PIGMENT		0	1
--B-BASAL CELL TUMOR		0	1
--B-FIBROMA		1	0
--B-PAPILLOMA, SQUAMOUS CELL		1	0
--M-CARCINOMA, SQUAMOUS CELL		0	1
MAMMARY, FEMALE (MF)	NUMBER EXAMINED:	37	35
	NOT REMARKABLE:	2	5
--GALACTOCELE		35	27
--HEMORRHAGE		2	4
--HYPERPLASIA, GLANDULAR		1	3
--INFLAMMATION, ACUTE		2	1
--INFLAMMATION, CHRONIC-ACTIVE		0	1
--MINERALIZATION		5	8
--NECROSIS		2	0
--PIGMENT		3	2
--B-ADENOMA		4	1
--B-FIBROADENOMA		14	15
--B-FIBROMA		1	0
--M-CARCINOMA		3	8
BONE, FEMUR (FE)	NUMBER EXAMINED:	37	0
	NOT REMARKABLE:	37	0

TABLE 35

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER-OF-ANIMALS-AFFECTED ---	
SEX:		-FEMALE-	
GROUP:		-8-	-9-
NUMBER:		37	35
MARROW, FEMUR (FM)	NUMBER EXAMINED:	37	0
	NOT REMARKABLE:	36	0
--HYPERCELLULARITY, MARROW		1	0
MARROW, STERNUM (SE)	NUMBER EXAMINED:	37	0
	NOT REMARKABLE:	36	0
--HYPERCELLULARITY, MARROW		1	0
BONE, STERNUM (SB)	NUMBER EXAMINED:	37	0
	NOT REMARKABLE:	37	0
EYE (EY)	NUMBER EXAMINED:	37	0
	NOT REMARKABLE:	36	0
--INFLAMMATION, ACUTE, CILIARY		1	0
BRAIN (BR)	NUMBER EXAMINED:	37	29
	NOT REMARKABLE:	6	0
--COMPRESSION, VENTRAL		31	29
--DILATATION, VENTRICULAR		15	21
--HEMORRHAGE		0	3
--PIGMENT		0	1

TABLE 35

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
SEX:		-FEMALE-	
GROUP:		-8-	-9-
NUMBER:		37	35
SPINAL CORD (SC)	NUMBER EXAMINED:	37	1
	NOT REMARKABLE:	37	1
MUSCLE, SKELETAL (SM)	NUMBER EXAMINED:	37	1
	NOT REMARKABLE:	36	1
--MINERALIZATION		1	0
NERVE, SCIATIC (SN)	NUMBER EXAMINED:	37	1
	NOT REMARKABLE:	37	1
HEART (HT)	NUMBER EXAMINED:	37	2
	NOT REMARKABLE:	27	1
--DEGENERATION/NECROSIS		9	0
--FIBROSIS		5	1
--INFLAMMATION, CHRONIC		1	1
LN, MESENTERIC (MS)	NUMBER EXAMINED:	37	2
	NOT REMARKABLE:	34	2
--HEMORRHAGE		2	0
--INFILTRATE, MACROPHAGE, PIGMENTED		2	0

TABLE 35

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
SEX:		-FEMALE-	
GROUP:		-8-	-9-
NUMBER:		37	35
SPLEEN (SP)	NUMBER EXAMINED:	37	4
	NOT REMARKABLE:	34	1
--HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED		2	3
--PIGMENT, INCREASED		1	0
THYMUS (TH)	NUMBER EXAMINED:	37	2
	NOT REMARKABLE:	29	1
--CYST		8	0
--M-FIBROSARCOMA		0	1
ESOPHAGUS (ES)	NUMBER EXAMINED:	37	0
	NOT REMARKABLE:	37	0
TRACHEA (TR)	NUMBER EXAMINED:	37	0
	NOT REMARKABLE:	37	0
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	37	8
	NOT REMARKABLE:	8	0
--ANGIECTASIS		22	5
--DEGENERATION, CYSTIC, CORTICAL		11	8
--HEMATOPOIESIS, EXTRAMEDULLARY		1	1
--HEMORRHAGE		26	8
--HYPERTROPHY		1	0

TABLE 35

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER-OF-ANIMALS-AFFECTED ---	
SEX:		-FEMALE-	
GROUP:		-8-	-9-
NUMBER:		37	35
** FROM PREVIOUS PAGE **			
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	37	8
	NOT REMARKABLE:	8	0
--PIGMENT		5	2
--THROMBUS		7	3
--VACUOLATION		2	1
ADRENAL, MEDULLA (MA)	NUMBER EXAMINED:	37	3
	NOT REMARKABLE:	35	2
--HYPERPLASIA, MEDULLARY		1	0
--B-PHEOCHROMOCYTOMA		1	1
PITUITARY (PI)	NUMBER EXAMINED:	36	31
	NOT REMARKABLE:	2	0
--CYST		4	5
--HEMORRHAGE		27	20
--PIGMENT		6	3
--B-ADENOMA		34	30
--M-CARCINOMA		0	1
HARDERIAN GLAND (HG)	NUMBER EXAMINED:	37	0
	NOT REMARKABLE:	33	0
--INFLAMMATION, CHRONIC		4	0

TABLE 35 Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	-FEMALE-	
	GROUP:	-8-	-9-
	NUMBER:	37	35
SALIV GL, MANDIB (SG)	NUMBER EXAMINED:	37	0
	NOT REMARKABLE:	37	0
STOMACH, GL (ST)	NUMBER EXAMINED:	37	2
	NOT REMARKABLE:	36	2
--EROSION		1	0
--INFLAMMATION, ACUTE		1	0
STOMACH, NONGL (SU)	NUMBER EXAMINED:	37	3
	NOT REMARKABLE:	31	0
--ACANTHOSIS		0	1
--EDEMA		5	2
--EROSION		3	2
--HEMORRHAGE		1	0
--HYPERKERATOSIS, NONGLANDULAR MUCOSA		0	1
--INFLAMMATION, ACUTE		3	1
--INFLAMMATION, CHRONIC-ACTIVE		1	1
--ULCERATION		2	0
DUODENUM (DU)	NUMBER EXAMINED:	35	0
	NOT REMARKABLE:	35	0

TABLE 35

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
SEX:		-FEMALE-	
GROUP:		-8-	-9-
NUMBER:		37	35
JEJUNUM (JE)	NUMBER EXAMINED:	35	0
	NOT REMARKABLE:	35	0
ILEUM (IL)	NUMBER EXAMINED:	32	0
	NOT REMARKABLE:	32	0
CECUM (CE)	NUMBER EXAMINED:	37	3
	NOT REMARKABLE:	37	1
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	2
COLON (CO)	NUMBER EXAMINED:	37	0
	NOT REMARKABLE:	37	0
RECTUM (RE)	NUMBER EXAMINED:	37	0
	NOT REMARKABLE:	37	0
URINARY BLADDER (UB)	NUMBER EXAMINED:	37	0
	NOT REMARKABLE:	35	0
--HYPERPLASIA, TRANSITIONAL CELL		1	0
--INFLAMMATION, CHRONIC		2	0

TABLE 35

Covance 6329-228
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Incidence of Microscopic Observations

Unscheduled Deaths

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
SEX:		-FEMALE-	
GROUP:		-8-	-9-
NUMBER:		37	35
UTERUS (UT)	NUMBER EXAMINED:	37	7
	NOT REMARKABLE:	31	0
--DILATATION		4	3
--HYPERPLASIA, CYSTIC, ENDOMETRIAL		2	4
--SCLEROSIS		0	1
--B-POLYP, ENDOMETRIAL, STROMAL		0	2
OVARY (OV)	NUMBER EXAMINED:	37	7
	NOT REMARKABLE:	32	1
--CYST		4	6
--INFLAMMATION, CHRONIC		1	0
CERVIX (CV)	NUMBER EXAMINED:	37	1
	NOT REMARKABLE:	37	0
--DILATATION		0	1
--INFLAMMATION, ACUTE		0	1
--M-SARCOMA, ENDOMETRIAL STROMAL		0	1
VAGINA (VA)	NUMBER EXAMINED:	37	8
	NOT REMARKABLE:	36	7
--INFLAMMATION, ACUTE		1	1
--N-SARCOMA, ENDOMETRIAL STROMAL		0	1

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Covance 6329-228
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Incidence of Microscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	-FEMALE-	
	GROUP:	-8-	-9-
	NUMBER:	37	35
PROSTATE (PR)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
SEMINAL VESICLES (SV)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
EPIDIDYMIDES (EP)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
DEATH COMMENT (DC)	NUMBER EXAMINED:	37	35
	NOT REMARKABLE:	0	0
--ENDOMETRIAL STROMAL SARCOMA		0	1
--FRACTURED CALVARIUM		1	0
--HISTIOCYTIC SARCOMA		0	1
--MALIGNANT LYMPHOMA		0	1
--MAMMARY CARCINOMA		0	3
--MAMMARY FIBROADENOMA		3	2
--ORAL EROSION		1	0
--OSTEOMA		1	0
--PITUITARY ADENOMA		29	25
--PITUITARY CARCINOMA		0	1
--PYELONEPHRITIS		1	0
--UNDETERMINED		1	1

TABLE 35

Covance 6329-228
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Incidence of Microscopic Observations

Unscheduled Deaths

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER-OF-ANIMALS-AFFECTED ---	
SEX:		-FEMALE-	
GROUP:		-8-	-9-
NUMBER:		37	35
LN, MANDIBULAR (MN)	NUMBER EXAMINED:	8	6
	NOT REMARKABLE:	4	4
--HEMORRHAGE		2	2
--HYPERPLASIA, LYMPHOCYTIC		2	0
--INFILTRATE, MACROPHAGE, PIGMENTED		1	0
LN, AXILLARY (AX)	NUMBER EXAMINED:	11	11
	NOT REMARKABLE:	7	9
--HEMORRHAGE		0	2
--HYPERPLASIA, LYMPHOCYTIC		4	0
--INFILTRATE, MACROPHAGE, VACUOLATED		0	1
FOOT/FOOTPAD (FP)	NUMBER EXAMINED:	0	3
	NOT REMARKABLE:	0	0
--EDEMA		0	1
--EROSION		0	1
--EXOSTOSES		0	1
--FIBROSIS		0	2
--INFLAMMATION, ACUTE		0	1
--INFLAMMATION, CHRONIC ACTIVE		0	1
LN, INGUINAL (IN)	NUMBER EXAMINED:	2	1
	NOT REMARKABLE:	1	1
--N-MAMMARY CARCINOMA		1	0

TABLE 35 Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
SEX:		-FEMALE-	
GROUP:		-8-	-9-
NUMBER:		37	35
AORTA (AO)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
LN, RENAL (RL)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
LN, LUMBAR/ILIAC (LM)	NUMBER EXAMINED:	0	2
	NOT REMARKABLE:	0	2
HEMATO NEOPLASIA (HN)	NUMBER EXAMINED:	37	2
	NOT REMARKABLE:	37	0
--M-LYMPHOMA		0	1
--M-SARCOMA, HISTIOCYTIC		0	1
MAMMARY, MALE (MM)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
CAVITY, ABDOM (PC)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0

TABLE 35

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER-OF-ANIMALS-AFFECTED ---	
SEX:		-FEMALE-	
GROUP:		-8-	-9-
NUMBER:		37	35
TAIL (TI)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
URETER (UE)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
CAVITY, ORAL (OC)	NUMBER EXAMINED:	1	0
	NOT REMARKABLE:	0	0
--EDEMA		1	0
--EROSION		1	0
--HEMORRHAGE		1	0
--INFLAMMATION, ACUTE		1	0
CALVARIUM/SKULL (CA)	NUMBER EXAMINED:	1	0
	NOT REMARKABLE:	0	0
--CYST, KERATIN		1	0
--FRACTURE		1	0
--HEMORRHAGE		1	0
--INFLAMMATION, ACUTE		1	0
LN, MEDIASTINAL (ML)	NUMBER EXAMINED:	2	1
	NOT REMARKABLE:	0	0
--HEMORRHAGE		0	1

TABLE 35

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
SEX:		-FEMALE-	
GROUP:		-8-	-9-
NUMBER:		37	35
** FROM PREVIOUS PAGE **			
LN, MEDIASTINAL (ML)	NUMBER EXAMINED:	2	1
	NOT REMARKABLE:	0	0
--INFILTRATE, MACROPHAGE, PIGMENTED		2	0
LN, OTHER (LN)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
BILE DUCT (BD)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
AUDITORY SEB GL (AS)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
LN, ANT MES/PANC (AP)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
ADIPOSE TISSUE (AT)	NUMBER EXAMINED:	0	1
	NOT REMARKABLE:	0	0
--B-LIPOMA		0	1

TABLE 35 Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
SEX:		-FEMALE-	
GROUP:		-8-	-9-
NUMBER:		37	35
JOINT, OTHER (JT)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
LN, POPLITEAL (PP)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
NASAL TURBINATE (NT)	NUMBER EXAMINED:	1	0
	NOT REMARKABLE:	0	0
--B-OSTEOMA		1	0

TABLE 36

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
SEX:		--MALE--	
GROUP:		-8-	-9-
NUMBER:		70	70
** TOP OF LIST **			
LUNG (LU)	NUMBER EXAMINED:	60	60
	NOT REMARKABLE:	52	44
--FIBROSIS, PLEURAL/SUBPLEURAL		1	1
--HEMORRHAGE		0	1
--INFLAMMATION, CHRONIC		2	3
--INFILTRATE, MACROPHAGE, ALVEOLAR		3	4
--INFLAMMATION, GRANULOMATOUS		0	1
--MINERALIZATION		0	1
--MINERALIZATION, VASCULAR		3	8
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	2
--N-TRANSITIONAL CELL CARCINOMA		1	0
KIDNEY (KD)	NUMBER EXAMINED:	60	60
	NOT REMARKABLE:	7	4
--CAST, PROTEINACEOUS		18	17
--CYST		3	3
--DILATATION, PELVIC		9	8
--HEMORRHAGE		1	0
--HYPERPLASIA, TRANSITIONAL CELL		1	1
--INFARCT		2	3
--INFLAMMATION, CHRONIC		0	2
--MINERALIZATION		1	1
--MINERALIZATION, PELVIC		7	7
--MINERALIZATION, TUBULAR		1	2
--NEPHROPATHY, CHRONIC PROGRESSIVE		33	35
--PYELONEPHRITIS		7	0

TABLE 36 — Covance 6329-228, 3M T-6316.1

Incidence of Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER-OF-ANIMALS-AFFECTED ---	
SEX:		--MALE--	
GROUP:		-8-	-9-
NUMBER:		70	70
** FROM PREVIOUS PAGE **			
KIDNEY (KD)	NUMBER EXAMINED:	60	60
	NOT REMARKABLE:	7	4
--THROMBUS		4	0
--M-CARCINOMA, TUBULAR CELL		1	0
--I-TRANSITIONAL CELL CARCINOMA		1	0
LIVER (LI)	NUMBER EXAMINED:	60	60
	NOT REMARKABLE:	22	25
--CYST		2	0
--DEGENERATION, CYSTIC		5	9
--FIBROSIS, CAPSULAR		0	1
--FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC		0	1
--FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC		4	9
--HEMATOPOIESIS, EXTRAMEDULLARY		2	1
--HEMORRHAGE		5	2
--HYPERPLASIA, BILE DUCT		7	8
--INFILTRATE, MAST CELLS		0	1
--INFLAMMATION, CHRONIC		17	15
--LIPIDOSIS, SUBCAPSULAR (TENSION LIPIDOSIS)		2	1
--NECROSIS, HEPATOCELLULAR		2	3
--VACUOLATION, HEPATOCELLULAR		14	10
--B-ADENOMA, HEPATOCELLULAR		5	4
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	4

TABLE 36

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER-OF-ANIMALS-AFFECTED ---	
SEX:		--MALE--	
GROUP:		-8-	-9-
NUMBER:		70	70
PANCREAS (PA)	NUMBER EXAMINED:	60	60
	NOT REMARKABLE:	41	35
--ATROPHY, ACINAR		9	7
--FIBROSIS		0	1
--HEMORRHAGE		1	2
--HYPERPLASIA, ISLET CELLS		1	0
--HYPERTROPHY, VASCULAR		3	1
--INFLAMMATION, VASCULAR		1	1
--PIGMENT		7	9
--THROMBUS		1	1
--B-ADENOMA, ACINAR CELL		0	1
--B-ADENOMA, ISLET CELL		4	11
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	2
THYROID (TY)	NUMBER EXAMINED:	60	60
	NOT REMARKABLE:	42	38
--CYST, FOLLICULAR		10	9
--CYST, ULTIMOBRANCHIAL		6	9
--FIBROSIS		1	1
--HYPERPLASIA, C-CELL		1	1
--HYPERPLASIA, FOLLICULAR CELL		1	2
--INFLAMMATION, CHRONIC		1	1
--B-ADENOMA, C-CELL		2	3
--B-ADENOMA, FOLLICULAR CELL		1	2

TABLE 36

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
TABLE INCLUDES: SEX=ALL;GROUP=ALL;WEEKS=ALL DEATH=ALL;FIND=ALL;SUBSET=ALL	SEX:	--MALE--	
	GROUP:	-8-	-9-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	70
PARATHYROID (PT)	NUMBER EXAMINED:	59	4
	NOT REMARKABLE:	52	2
--HYPERPLASIA		7	2
TESTIS (TE)	NUMBER EXAMINED:	60	55
	NOT REMARKABLE:	49	41
--ATROPHY/DEGENERATION		7	8
--CYST		0	1
--INFLAMMATION, CHRONIC		4	4
--MINERALIZATION		3	4
--MINERALIZATION, VASCULAR		0	2
--SPERMATOCELE		1	0
--B-INTERSTITIAL CELL TUMOR		0	3
SKIN (SK)	NUMBER EXAMINED:	60	15
	NOT REMARKABLE:	49	2
--ATROPHY, ADNEXAL		0	2
--CYST, EPIDERMAL INCLUSION		2	2
--EDEMA		1	1
--EROSION		0	5
--FIBROSIS		0	1
--HEMORRHAGE		2	1
--INFLAMMATION, ACUTE		3	6
--INFLAMMATION, CHRONIC-ACTIVE		0	1
--B-BASAL CELL TUMOR		1	0

TABLE 36

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
TABLE INCLUDES: SEX=ALL;GROUP=ALL;WEEKS=ALL DEATH=ALL;FIND=ALL;SUBSET=ALL	SEX:	--MALE--	
	GROUP:	-8-	-9-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	70
** FROM PREVIOUS PAGE **			
SKIN (SK)	NUMBER EXAMINED:	60	15
	NOT REMARKABLE:	49	2
--B-ADENOMA, BASAL CELL		1	1
--B-FIBROMA		3	2
--B-KERATOACANTHOMA		0	2
--B-PAPILLOMA, SQUAMOUS CELL		1	0
--M-CARCINOMA, SQUAMOUS CELL		1	1
--M-FIBROSARCOMA		0	1
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	1
MAMMARY, FEMALE (MF)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
BONE, FEMUR (FE)	NUMBER EXAMINED:	60	0
	NOT REMARKABLE:	59	0
--HEMORRHAGE		1	0
--INFLAMMATION, CHRONIC		1	0
MARROW, FEMUR (FM)	NUMBER EXAMINED:	60	0
	NOT REMARKABLE:	60	0
MARROW, STERNUM (SE)	NUMBER EXAMINED:	60	0
	NOT REMARKABLE:	60	0

TABLE 36

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
SEX:		--MALE--	
GROUP:		-8-	-9-
NUMBER:		70	70
BONE, STERNUM (SB)	NUMBER EXAMINED:	60	0
	NOT REMARKABLE:	60	0
EYE (EY)	NUMBER EXAMINED:	60	2
	NOT REMARKABLE:	56	1
--CATARACT		0	1
--INFLAMMATION, ACUTE, CORNEAL		4	0
--INFLAMMATION, ACUTE, CILIARY		2	0
--ULCERATION, CORNEAL		1	0
--VASCULARIZATION, CORNEAL		2	0
BRAIN (BR)	NUMBER EXAMINED:	60	18
	NOT REMARKABLE:	34	2
--COMPRESSION, VENTRAL		23	16
--DILATATION, VENTRICULAR		17	7
--HEMORRHAGE		2	0
--INFLAMMATION, CHRONIC		1	0
--MINERALIZATION		2	0
SPINAL CORD (SC)	NUMBER EXAMINED:	60	0
	NOT REMARKABLE:	59	0
--HEMORRHAGE		1	0

TABLE 36

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
TABLE INCLUDES: SEX=ALL;GROUP=ALL;WEEKS=ALL DEATH=ALL;FIND=ALL;SUBSET=ALL	SEX:	--MALE--	
	GROUP:	-8-	-9-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	70
MUSCLE, SKELETAL (SM)	NUMBER EXAMINED:	60	1
	NOT REMARKABLE:	60	0
--I-SQUAMOUS CELL CARCINOMA		0	1
NERVE, SCIATIC (SN)	NUMBER EXAMINED:	59	0
	NOT REMARKABLE:	59	0
HEART (HT)	NUMBER EXAMINED:	60	3
	NOT REMARKABLE:	29	1
--DEGENERATION/NECROSIS		30	2
--FIBROSIS		22	1
--MINERALIZATION		1	0
--THROMBUS, ATRIAL		2	0
LN, MESENTERIC (MS)	NUMBER EXAMINED:	59	6
	NOT REMARKABLE:	55	5
--DILATATION, SINUSOIDAL		1	0
--HEMORRHAGE		2	1
--INFILTRATE, MACROPHAGE, PIGMENTED		2	0
--N-HEMANGIOSARCOMA		0	1

TABLE 36

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	--MALE--	
	GROUP:	-8-	-9-
	NUMBER:	70	70
SPLEEN (SP)	NUMBER EXAMINED:	60	8
	NOT REMARKABLE:	57	3
--HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED		2	2
--THROMBUS		0	1
--B-LEIOMYOMA		0	1
--M-HEMANGIOSARCOMA		0	1
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0
THYMUS (TH)	NUMBER EXAMINED:	59	1
	NOT REMARKABLE:	54	0
--CYST		3	0
--HEMORRHAGE		2	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	1
ESOPHAGUS (ES)	NUMBER EXAMINED:	60	0
	NOT REMARKABLE:	60	0
TRACHEA (TR)	NUMBER EXAMINED:	60	0
	NOT REMARKABLE:	60	0
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	60	6
	NOT REMARKABLE:	31	1
--ANGIECTASIS		1	0

TABLE 36

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
SEX:		--MALE--	
GROUP:		-8-	-9-
NUMBER:		70	70
** FROM PREVIOUS PAGE **			
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	60	6
	NOT REMARKABLE:	31	1
--DEGENERATION, CYSTIC, CORTICAL		5	1
--HEMATOPOIESIS, EXTRAMEDULLARY		0	1
--HEMORRHAGE		7	2
--HYPERTROPHY		4	1
--ONE EXAMINED		2	0
--THROMBUS		1	0
--VACUOLATION		20	3
ADRENAL, MEDULLA (MA)	NUMBER EXAMINED:	60	3
	NOT REMARKABLE:	50	0
--ONE EXAMINED		3	0
--HEMATOPOIESIS, EXTRAMEDULLARY		0	1
--HEMORRHAGE		0	1
--B-PHEOCHROMOCYTOMA		8	3
PITUITARY (PI)	NUMBER EXAMINED:	59	27
	NOT REMARKABLE:	17	0
--CYST		1	3
--HEMORRHAGE		17	22
--HYPERPLASIA		1	0
--INFLAMMATION, CHRONIC		1	0
--PIGMENT		0	2
--B-ADENOMA		40	27

TABLE 36 Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
TABLE INCLUDES: SEX=ALL;GROUP=ALL;WEEKS=ALL DEATH=ALL;FIND=ALL;SUBSET=ALL	SEX:	--MALE--	
	GROUP:	-8-	-9-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	70
HARDERIAN GLAND (HG)	NUMBER EXAMINED:	60	0
	NOT REMARKABLE:	54	0
--INFLAMMATION, CHRONIC		5	0
--ONE EXAMINED		1	0
SALIV GL, MANDIB (SG)	NUMBER EXAMINED:	60	0
	NOT REMARKABLE:	60	0
STOMACH, GL (ST)	NUMBER EXAMINED:	60	17
	NOT REMARKABLE:	52	9
--EDEMA		4	1
--EROSION		4	6
--INFLAMMATION, ACUTE		1	0
--MINERALIZATION		2	1
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	1
STOMACH, NONGL (SU)	NUMBER EXAMINED:	60	4
	NOT REMARKABLE:	48	1
--ACANTHOSIS		1	0
--EDEMA		9	2
--EROSION		3	1
--FIBROSIS		1	0
--HEMORRHAGE		1	1
--HYPERKERATOSIS, NONGLANDULAR MUCOSA		1	0

TABLE 36 Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
TABLE INCLUDES: SEX=ALL;GROUP=ALL;WEEKS=ALL DEATH=ALL;FIND=ALL;SUBSET=ALL	SEX:	--MALE--	
	GROUP:	-8-	-9-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	70
** FROM PREVIOUS PAGE **			
STOMACH, NONGL (SU)	NUMBER EXAMINED:	60	4
	NOT REMARKABLE:	48	1
--INFLAMMATION, ACUTE		6	2
--INFLAMMATION, CHRONIC-ACTIVE		1	1
--ULCERATION		2	1
--B-LEIOMYOMA		1	0
--M-CARCINOMA, SQUAMOUS CELL		0	1
DUODENUM (DU)	NUMBER EXAMINED:	59	0
	NOT REMARKABLE:	58	0
--HEMORRHAGE		1	0
--INFLAMMATION, ACUTE		1	0
--ULCERATION		1	0
JEJUNUM (JE)	NUMBER EXAMINED:	55	0
	NOT REMARKABLE:	54	0
--HEMORRHAGE		1	0
--INFLAMMATION, ACUTE		1	0
--ULCERATION		1	0
ILEUM (IL)	NUMBER EXAMINED:	53	0
	NOT REMARKABLE:	52	0
--EROSION		1	0
--INFLAMMATION, ACUTE		1	0

TABLE 36

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
TABLE INCLUDES:			
SEX=ALL;GROUP=ALL;WEEKS=ALL	SEX:	--MALE--	
DEATH=ALL;FIND=ALL;SUBSET=ALL			
	GROUP:	-8-	-9-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	70
		-=-	-=-
CECUM (CE)	NUMBER EXAMINED:	57	1
	NOT REMARKABLE:	56	1
--EDEMA		1	0
--INFLAMMATION, ACUTE		1	0
--ULCERATION		1	0
COLON (CO)	NUMBER EXAMINED:	59	0
	NOT REMARKABLE:	57	0
--EDEMA		1	0
--PARASITISM		1	0
RECTUM (RE)	NUMBER EXAMINED:	59	0
	NOT REMARKABLE:	57	0
--PARASITISM		2	0
URINARY BLADDER (UB)	NUMBER EXAMINED:	60	22
	NOT REMARKABLE:	52	8
--CALCULUS		0	13
--HEMORRHAGE		1	0
--HYPERPLASIA, TRANSITIONAL CELL		6	1
--INFLAMMATION, CHRONIC		2	1
--INFLAMMATION, CHRONIC-ACTIVE		2	0
--ULCERATION		1	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0

TABLE 36

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
TABLE INCLUDES: SEX=ALL;GROUP=ALL;WEEKS=ALL DEATH=ALL;FIND=ALL;SUBSET=ALL	SEX:	--MALE--	
	GROUP:	-8-	-9-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	70
UTERUS (UT)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
OVARY (OV)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
CERVIX (CV)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
VAGINA (VA)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
PROSTATE (PR)	NUMBER EXAMINED:	60	10
	NOT REMARKABLE:	26	1
--EDEMA		1	0
--HEMORRHAGE		0	1
--INFLAMMATION, ACUTE		10	1
--INFLAMMATION, CHRONIC		2	0
--INFLAMMATION, CHRONIC-ACTIVE		21	7
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	1
--I-TRANSITIONAL CELL CARCINOMA		1	0

TABLE 36

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
TABLE INCLUDES: SEX=ALL;GROUP=ALL;WEEKS=ALL DEATH=ALL;FIND=ALL;SUBSET=ALL	SEX:	--MALE--	
	GROUP:	-8-	-9-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	70
SEMINAL VESICLES (SV)	NUMBER EXAMINED:	60	5
	NOT REMARKABLE:	50	1
--EDEMA		1	1
--FIBROSIS		1	0
--INFLAMMATION, ACUTE		2	0
--INFLAMMATION, CHRONIC		3	0
--INFLAMMATION, CHRONIC-ACTIVE		2	0
--PIGMENT		1	0
--SECRETION, INCREASED		2	3
--M-TRANSITIONAL CELL CARCINOMA		1	0
EPIDIDYMIDES (EP)	NUMBER EXAMINED:	60	2
	NOT REMARKABLE:	58	0
--GRANULOMA, SPERM		1	1
--HYPOSPERMIA		1	1
--INFLAMMATION, CHRONIC		0	1
DEATH COMMENT (DC)	NUMBER EXAMINED:	60	60
	NOT REMARKABLE:	0	0
--ATRIAL THROMBUS		1	0
--AUDITORY SEBACEOUS GLAND CARCINOMA		0	1
--CHRONIC PROGRESSIVE NEPHROPATHY		3	2
--CYSTITIS		2	0
--ENTERITIS		1	0
--FIBROMA		1	0

TABLE 36

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
TABLE INCLUDES: SEX=ALL;GROUP=ALL;WEEKS=ALL DEATH=ALL;FIND=ALL;SUBSET=ALL	SEX:	--MALE--	
	GROUP:	-8-	-9-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	70
** FROM PREVIOUS PAGE **			
DEATH COMMENT (DC)	NUMBER EXAMINED:	60	60
	NOT REMARKABLE:	0	0
--FIBROSARCOMA		0	1
--HEPATOCELLULAR ADENOMA		2	1
--HEPATOCELLULAR NECROSIS		1	0
--HISTIOCYTIC SARCOMA		1	2
--MALIGNANT LYMPHOMA		0	1
--MAMMARY FIBROADENOMA		1	0
--OSTEOGENIC SARCOMA		0	1
--PHEOCHROMOCYTOMA		0	1
--PITUITARY ADENOMA		18	14
--PYELONEPHRITIS		1	0
--SCHEDULED SACRIFICE		21	30
--SQUAMOUS CELL CARCINOMA		0	1
--TRANSITIONAL CELL CARCINOMA		1	0
--UNDETERMINED		6	5
LN, MANDIBULAR (MN)	NUMBER EXAMINED:	4	4
	NOT REMARKABLE:	2	2
--HEMORRHAGE		2	1
--HYPERPLASIA, LYMPHOCYTIC		0	2
LN, AXILLARY (AX)	NUMBER EXAMINED:	0	2
	NOT REMARKABLE:	0	1
--HEMORRHAGE		0	1

TABLE 36

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
TABLE INCLUDES:			
SEX=ALL;GROUP=ALL;WEEKS=ALL	SEX:	--MALE--	
DEATH=ALL;FIND=ALL;SUBSET=ALL			
	GROUP:	-8-	-9-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	70
** FROM PREVIOUS PAGE **			
LN, AXILLARY (AX)	NUMBER EXAMINED:	0	2
	NOT REMARKABLE:	0	1
--INFILTRATE, MACROPHAGE, VACUOLATED		0	1
FOOT/FOOTPAD (FP)	NUMBER EXAMINED:	11	6
	NOT REMARKABLE:	0	1
--CYST, KERATIN		1	0
--EDEMA		3	1
--EROSION		8	2
--EXOSTOSES		1	0
--FIBROSIS		5	4
--HEMORRHAGE		3	0
--INFLAMMATION, ACUTE		10	3
--INFLAMMATION, CHRONIC ACTIVE		1	1
LN, INGUINAL (IN)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
AORTA (AO)	NUMBER EXAMINED:	1	2
	NOT REMARKABLE:	0	1
--MINERALIZATION		1	1

TABLE 36 Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
TABLE INCLUDES:			
SEX=ALL;GROUP=ALL;WEEKS=ALL	SEX:	--MALE--	
DEATH=ALL;FIND=ALL;SUBSET=ALL			
	GROUP:	-8-	-9-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	70
LN, RENAL (RL)	NUMBER EXAMINED:	2	3
	NOT REMARKABLE:	1	0
--DILATATION, SINUSOIDAL		1	2
--FIBROSIS		0	1
--HEMORRHAGE		1	3
--INFILTRATE, MACROPHAGE, PIGMENTED		1	0
LN, LUMBAR/ILIAC (LM)	NUMBER EXAMINED:	5	7
	NOT REMARKABLE:	1	1
--DILATATION, SINUSOIDAL		3	4
--HEMORRHAGE		1	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	2
HEMATO NEOPLASIA (HN)	NUMBER EXAMINED:	70	5
	NOT REMARKABLE:	67	0
--M-LYMPHOMA		2	1
--M-SARCOMA, HISTIOCYTIC		1	4
MAMMARY, MALE (MM)	NUMBER EXAMINED:	11	5
	NOT REMARKABLE:	1	3
--GALACTOCELE		9	1
--INFLAMMATION, CHRONIC		1	0
--MINERALIZATION		1	0
--B-FIBROADENOMA		2	0

TABLE 36

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
SEX:		--MALE--	
GROUP:		-8-	-9-
NUMBER:		70	70
** FROM PREVIOUS PAGE **			
MAMMARY, MALE (MM)	NUMBER EXAMINED:	11	5
	NOT REMARKABLE:	1	3
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	1
CAVITY, ABDOM (PC)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
TAIL (TI)	NUMBER EXAMINED:	2	3
	NOT REMARKABLE:	0	0
--CYST, EPIDERMAL INCLUSION		0	1
--HEMORRHAGE		1	0
--INFLAMMATION, ACUTE		0	1
--B-FIBROMA		1	0
--B-PAPILLOMA, SQUAMOUS CELL		0	1
URETER (UE)	NUMBER EXAMINED:	2	0
	NOT REMARKABLE:	0	0
--DILATATION		2	0
CAVITY, ORAL (OC)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0

TABLE 36 Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
TABLE INCLUDES: SEX=ALL;GROUP=ALL;WEEKS=ALL DEATH=ALL;FIND=ALL;SUBSET=ALL	SEX:	--MALE--	
	GROUP:	-8-	-9-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	70
CALVARIUM/SKULL (CA)	NUMBER EXAMINED:	1	1
	NOT REMARKABLE:	0	0
--HEMORRHAGE		1	0
--M-SARCOMA, OSTEOGENIC		0	1
LN, MEDIASTINAL (ML)	NUMBER EXAMINED:	2	1
	NOT REMARKABLE:	0	1
--DILATATION, SINUSOIDAL		2	0
--HEMORRHAGE		1	0
LN, OTHER (LN)	NUMBER EXAMINED:	2	2
	NOT REMARKABLE:	2	0
--INFILTRATE, MACROPHAGE, PIGMENTED		0	2
BILE DUCT (BD)	NUMBER EXAMINED:	0	2
	NOT REMARKABLE:	0	1
--DILATATION		0	1
AUDITORY SEB GL (AS)	NUMBER EXAMINED:	0	1
	NOT REMARKABLE:	0	0
--M-CARCINOMA		0	1

TABLE 36 Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
TABLE INCLUDES: SEX=ALL;GROUP=ALL;WEEKS=ALL; DEATH=ALL;FIND=ALL;SUBSET=ALL	SEX:	--MALE--	
	GROUP:	-8-	-9-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	70
LN, ANT MES/PANC (AP)	NUMBER EXAMINED:	0	2
	NOT REMARKABLE:	0	0
--DILATATION, SINUSOIDAL		0	1
--HEMORRHAGE		0	1
--INFILTRATE, MACROPHAGE, PIGMENTED		0	2
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	1
ADIPOSE TISSUE (AT)	NUMBER EXAMINED:	0	1
	NOT REMARKABLE:	0	0
--FAT NECROSIS		0	1
JOINT, OTHER (JT)	NUMBER EXAMINED:	2	0
	NOT REMARKABLE:	0	0
--EDEMA		2	0
--EXOSTOSES		2	0
--FIBROSIS		1	0
--INFLAMMATION, ACUTE, SYNOVIAL		1	0
--INFLAMMATION, CHRONIC-ACTIVE, SYNOVIAL		1	0
LN, POPLITEAL (PP)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0

TABLE 36 — Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---	
SEX:		--MALE--	
GROUP:		-8-	-9-
NUMBER:		70	70
NASAL TURBINATE (NT)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0

TABLE 36

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
TABLE INCLUDES:			
SEX=ALL;GROUP=ALL;WEEKS=ALL	SEX:	-FEMALE-	
DEATH=ALL;FIND=ALL;SUBSET=ALL			
	GROUP:	-8-	-9-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	70
** TOP OF LIST **		-=-	-=-
LUNG (LU)	NUMBER EXAMINED:	60	60
	NOT REMARKABLE:	46	43
--HEMORRHAGE		2	1
--HYPERPLASIA, TYPE II PNEUMOCYTE		1	1
--INFLAMMATION, CHRONIC		2	2
--INFILTRATE, MACROPHAGE, ALVEOLAR		7	3
--INFILTRATE, MACROPHAGE, PIGMENTED		0	1
--INFLAMMATION, GRANULOMATOUS		1	0
--MINERALIZATION		0	1
--MINERALIZATION, VASCULAR		4	9
KIDNEY (KD)	NUMBER EXAMINED:	60	60
	NOT REMARKABLE:	7	9
--CAST, PROTEINACEOUS		21	20
--CYST		2	2
--DILATATION, PELVIC		1	2
--HEMORRHAGE		1	0
--HYPERPLASIA, TRANSITIONAL CELL		1	1
--INFARCT		1	0
--INFLAMMATION, CHRONIC		0	2
--MINERALIZATION, PELVIC		38	44
--MINERALIZATION, TUBULAR		2	0
--NEPHROPATHY, CHRONIC PROGRESSIVE		11	7
--PYELONEPHRITIS		3	4

TABLE 36

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
TABLE INCLUDES: SEX=ALL;GROUP=ALL;WEEKS=ALL; DEATH=ALL;FIND=ALL;SUBSET=ALL	SEX:	-FEMALE-	
	GROUP:	-8-	-9-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	70
LIVER (LI)	NUMBER EXAMINED:	60	60
	NOT REMARKABLE:	35	29
--CYST, BILIARY		2	0
--DEGENERATION, CYSTIC		1	2
--FIBROSIS		1	0
--FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC		1	3
--FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC		3	7
--HEMATOPOIESIS, EXTRAMEDULLARY		1	1
--HEMORRHAGE		2	2
--HYPERPLASIA, BILE DUCT		5	7
--INFLAMMATION, CHRONIC		8	6
--NECROSIS, HEPATOCELLULAR		3	2
--PIGMENT		1	0
--TELANGIECTASIS		5	2
--THROMBUS		0	1
--VACUOLATION, HEPATOCELLULAR		14	8
--B-ADENOMA, HEPATOCELLULAR		2	1
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	1
PANCREAS (PA)	NUMBER EXAMINED:	59	60
	NOT REMARKABLE:	53	51
--ATROPHY, ACINAR		2	8
--HEMORRHAGE		3	0
--B-ADENOMA, ISLET CELL		4	1

TABLE 36

Covance 6329-228
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Incidence of Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER-OF-ANIMALS-AFFECTED ---	
SEX:		-FEMALE-	
GROUP:		-8-	-9-
NUMBER:		70	70
THYROID (TY)	NUMBER EXAMINED:	60	60
	NOT REMARKABLE:	37	42
--CYST, FOLLICULAR		1	1
--CYST, ULTIMOBRANCHIAL		16	7
--FIBROSIS		1	0
--HEMORRHAGE		0	1
--HYPERPLASIA, C-CELL		1	4
--HYPERPLASIA, FOLLICULAR CELL		0	1
--INFLAMMATION, CHRONIC		2	0
--MINERALIZATION		1	0
--B-ADENOMA, C-CELL		7	6
--B-ADENOMA, FOLLICULAR CELL		1	1
PARATHYROID (PT)	NUMBER EXAMINED:	58	1
	NOT REMARKABLE:	55	1
--FIBROSIS		1	0
--HYPERPLASIA		2	0
TESTIS (TE)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
SKIN (SK)	NUMBER EXAMINED:	60	6
	NOT REMARKABLE:	55	0
--CYST, EPIDERMAL INCLUSION		0	1

TABLE 36

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
TABLE INCLUDES: SEX=ALL;GROUP=ALL;WEEKS=ALL; DEATH=ALL;FIND=ALL;SUBSET=ALL	SEX:	-FEMALE-	
	GROUP:	-8-	-9-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	70
** FROM PREVIOUS PAGE **			
SKIN (SK)	NUMBER EXAMINED:	60	6
	NOT REMARKABLE:	55	0
--EROSION		1	1
--FIBROSIS		1	1
--HEMORRHAGE		1	0
--INFLAMMATION, ACUTE		1	1
--INFLAMMATION, CHRONIC-ACTIVE		0	1
--PIGMENT		0	1
--B-BASAL CELL TUMOR		0	1
--B-FIBROMA		1	0
--B-KERATOACANTHOMA		0	1
--B-PAPILLOMA, SQUAMOUS CELL		1	1
--B-ADENOMA, SEBACEOUS GLAND		1	0
--M-CARCINOMA, SQUAMOUS CELL		0	1
MAMMARY, FEMALE (MF)	NUMBER EXAMINED:	60	60
	NOT REMARKABLE:	11	12
--FIBROSIS		1	1
--GALACTOCELE		47	43
--HEMORRHAGE		6	5
--HYPERPLASIA, GLANDULAR		1	3
--INFLAMMATION, ACUTE		3	1
--INFLAMMATION, CHRONIC-ACTIVE		0	1
--MINERALIZATION		9	11
--NECROSIS		2	0
--PIGMENT		4	2

TABLE 36

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Incidence of Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
TABLE INCLUDES: SEX=ALL;GROUP=ALL;WEEKS=ALL DEATH=ALL;FIND=ALL;SUBSET=ALL	SEX:	-FEMALE-	
	GROUP:	-8-	-9-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	70
** FROM PREVIOUS PAGE **			
MAMMARY, FEMALE (MF)	NUMBER EXAMINED:	60	60
	NOT REMARKABLE:	11	12
--B-ADENOMA		5	2
--B-FIBROADENOMA		21	22
--B-FIBROMA		1	0
--M-CARCINOMA		9	9
BONE, FEMUR (FE)	NUMBER EXAMINED:	60	0
	NOT REMARKABLE:	60	0
MARROW, FEMUR (FM)	NUMBER EXAMINED:	60	0
	NOT REMARKABLE:	59	0
--HYPERCELLULARITY, MARROW		1	0
MARROW, STERNUM (SE)	NUMBER EXAMINED:	60	0
	NOT REMARKABLE:	59	0
--HYPERCELLULARITY, MARROW		1	0
BONE, STERNUM (SB)	NUMBER EXAMINED:	60	0
	NOT REMARKABLE:	60	0

TABLE 36

Covance 6329-228
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Incidence of Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
TABLE INCLUDES:			
SEX=ALL;GROUP=ALL;WEEKS=ALL	SEX:	-FEMALE-	
DEATH=ALL;FIND=ALL;SUBSET=ALL			
	GROUP:	-8-	-9-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	70
		-=-	-=-
EYE (EY)	NUMBER EXAMINED:	60	0
	NOT REMARKABLE:	57	0
--FIBROSIS, CORNEAL		1	0
--INFLAMMATION, ACUTE, CORNEAL		2	0
--INFLAMMATION, ACUTE, CILIARY		1	0
--ULCERATION, CORNEAL		1	0
--VASCULARIZATION, CORNEAL		1	0
BRAIN (BR)	NUMBER EXAMINED:	60	40
	NOT REMARKABLE:	23	0
--COMPRESSION, VENTRAL		36	40
--DILATATION, VENTRICULAR		19	23
--HEMORRHAGE		0	3
--INFLAMMATION, CHRONIC		1	0
--PIGMENT		0	1
SPINAL CORD (SC)	NUMBER EXAMINED:	60	1
	NOT REMARKABLE:	60	1
MUSCLE, SKELETAL (SM)	NUMBER EXAMINED:	60	2
	NOT REMARKABLE:	59	1
--MINERALIZATION		1	0
--I-LEIOMYOSARCOMA		0	1

TABLE 36 Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
TABLE INCLUDES: SEX=ALL;GROUP=ALL;WEEKS=ALL; DEATH=ALL;FIND=ALL;SUBSET=ALL	SEX:	-FEMALE-	
	GROUP:	-8-	-9-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	70
NERVE, SCIATIC (SN)	NUMBER EXAMINED:	60	1
	NOT REMARKABLE:	60	1
HEART (HT)	NUMBER EXAMINED:	60	2
	NOT REMARKABLE:	46	1
--DEGENERATION/NECROSIS		12	0
--FIBROSIS		7	1
--INFLAMMATION, CHRONIC		2	1
--METAPLASIA, CARTILAGE		1	0
LN, MESENTERIC (MS)	NUMBER EXAMINED:	60	2
	NOT REMARKABLE:	54	2
--EDEMA		1	0
--HEMORRHAGE		3	0
--INFILTRATE, MACROPHAGE, PIGMENTED		4	0
SPLEEN (SP)	NUMBER EXAMINED:	60	5
	NOT REMARKABLE:	56	1
--HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED		3	4
--PIGMENT, INCREASED		1	0

TABLE 36

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
TABLE INCLUDES: SEX=ALL;GROUP=ALL;WEEKS=ALL DEATH=ALL;FIND=ALL;SUBSET=ALL	SEX:	-FEMALE-	
	GROUP:	-8-	-9-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	70
THYMUS (TH)	NUMBER EXAMINED:	60	2
	NOT REMARKABLE:	47	1
--CYST		12	0
--M-FIBROSARCOMA		0	1
--M-THYMIC CARCINOMA		1	0
ESOPHAGUS (ES)	NUMBER EXAMINED:	60	0
	NOT REMARKABLE:	60	0
TRACHEA (TR)	NUMBER EXAMINED:	60	0
	NOT REMARKABLE:	60	0
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	60	12
	NOT REMARKABLE:	12	0
--ANGIECTASIS		36	8
--DEGENERATION, CYSTIC, CORTICAL		19	9
--HEMATOPOIESIS, EXTRAMEDULLARY		1	1
--HEMORRHAGE		44	12
--HYPERTROPHY		1	0
--MINERALIZATION		1	0
--ONE EXAMINED		1	0
--PIGMENT		7	4
--THROMBUS		11	4
--VACUOLATION		4	1

TABLE 36

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
TABLE INCLUDES: SEX=ALL;GROUP=ALL;WEEKS=ALL DEATH=ALL;FIND=ALL;SUBSET=ALL	SEX:	-FEMALE-	
	GROUP:	-8-	-9-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	70
** FROM PREVIOUS PAGE **			
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	60	12
	NOT REMARKABLE:	12	0
--B-ADENOMA		2	0
ADRENAL, MEDULLA (MA)	NUMBER EXAMINED:	60	4
	NOT REMARKABLE:	56	2
--ONE EXAMINED		1	0
--HYPERPLASIA, MEDULLARY		1	0
--NECROSIS, MEDULLARY		0	1
--B-PHEOCHROMOCYTOMA		2	2
PITUITARY (PI)	NUMBER EXAMINED:	59	45
	NOT REMARKABLE:	9	0
--CYST		4	6
--HEMORRHAGE		40	31
--PIGMENT		8	5
--B-ADENOMA		50	44
--M-CARCINOMA		0	1
HARDERIAN GLAND (HG)	NUMBER EXAMINED:	60	0
	NOT REMARKABLE:	50	0
--HYPERPLASIA, GLANDULAR		1	0
--INFLAMMATION, CHRONIC		9	0

TABLE 36 Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
TABLE INCLUDES: SEX=ALL;GROUP=ALL;WEEKS=ALL DEATH=ALL;FIND=ALL;SUBSET=ALL	SEX:	-FEMALE-	
	GROUP:	-8-	-9-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	70
SALIV GL, MANDIB (SG)	NUMBER EXAMINED:	60	0
	NOT REMARKABLE:	60	0
STOMACH, GL (ST)	NUMBER EXAMINED:	60	3
	NOT REMARKABLE:	57	2
--EDEMA		1	1
--EROSION		2	0
--INFLAMMATION, ACUTE		1	0
STOMACH, NONGL (SU)	NUMBER EXAMINED:	60	3
	NOT REMARKABLE:	54	0
--ACANTHOSIS		0	1
--EDEMA		5	2
--EROSION		3	2
--HEMORRHAGE		1	0
--HYPERKERATOSIS, NONGLANDULAR MUCOSA		0	1
--INFLAMMATION, ACUTE		3	1
--INFLAMMATION, CHRONIC-ACTIVE		1	1
--ULCERATION		2	0
DUODENUM (DU)	NUMBER EXAMINED:	58	0
	NOT REMARKABLE:	58	0

TABLE 36 — Covance 6329-228 / 3M T-6316.1

Incidence of Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---	
SEX:		-FEMALE-	
GROUP:		-8-	-9-
NUMBER:		70	70
JEJUNUM (JE)	NUMBER EXAMINED:	58	0
	NOT REMARKABLE:	58	0
ILEUM (IL)	NUMBER EXAMINED:	55	0
	NOT REMARKABLE:	55	0
CECUM (CE)	NUMBER EXAMINED:	60	3
	NOT REMARKABLE:	59	1
--EDEMA		1	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	2
COLON (CO)	NUMBER EXAMINED:	60	0
	NOT REMARKABLE:	60	0
RECTUM (RE)	NUMBER EXAMINED:	60	1
	NOT REMARKABLE:	53	0
--PARASITISM		7	0
--M-LEIOMYOSARCOMA		0	1
URINARY BLADDER (UB)	NUMBER EXAMINED:	60	15
	NOT REMARKABLE:	58	15
--HYPERPLASIA, TRANSITIONAL CELL		1	0

TABLE 36

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
SEX:		-FEMALE-	
GROUP:		-8-	-9-
NUMBER:		70	70
** FROM PREVIOUS PAGE **			
URINARY BLADDER (UB)	NUMBER EXAMINED:	60	15
	NOT REMARKABLE:	58	15
--INFLAMMATION, CHRONIC		2	0
UTERUS (UT)	NUMBER EXAMINED:	60	10
	NOT REMARKABLE:	48	0
--DILATATION		8	5
--HYPERPLASIA, CYSTIC, ENDOMETRIAL		3	6
--INFLAMMATION, ACUTE		1	0
--SCLEROSIS		0	1
--B-POLYP, ENDOMETRIAL, STROMAL		1	2
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0
OVARY (OV)	NUMBER EXAMINED:	60	12
	NOT REMARKABLE:	51	4
--CYST		8	8
--INFLAMMATION, CHRONIC		1	0
--B-GRANULOSA/THECA CELL TUMOR		1	0
CERVIX (CV)	NUMBER EXAMINED:	60	2
	NOT REMARKABLE:	59	0
--DILATATION		0	1
--HYPERTROPHY, MUSCULAR		0	1
--INFLAMMATION, ACUTE		0	1

TABLE 36

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
TABLE INCLUDES:			
SEX=ALL;GROUP=ALL;WEEKS=ALL	SEX:	-FEMALE-	
DEATH=ALL;FIND=ALL;SUBSET=ALL			
	GROUP:	-8-	-9-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	70
		-=-	-=-
** FROM PREVIOUS PAGE **			
CERVIX (CV)	NUMBER EXAMINED:	60	2
	NOT REMARKABLE:	59	0
--B-LEIOMYOMA		1	0
--M-SARCOMA, ENDOMETRIAL STROMAL		0	1
VAGINA (VA)	NUMBER EXAMINED:	60	8
	NOT REMARKABLE:	59	7
--INFLAMMATION, ACUTE		1	1
--N-SARCOMA, ENDOMETRIAL STROMAL		0	1
PROSTATE (PR)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
SEMINAL VESICLES (SV)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
EPIDIDYMIDES (EP)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
DEATH COMMENT (DC)	NUMBER EXAMINED:	60	60
	NOT REMARKABLE:	0	0
--ENDOMETRIAL STROMAL SARCOMA		0	1

TABLE 36

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
TABLE INCLUDES:			
SEX=ALL;GROUP=ALL;WEEKS=ALL		SEX:	-FEMALE-
DEATH=ALL;FIND=ALL;SUBSET=ALL			
		GROUP:	-8- -9-
ORGAN AND FINDING DESCRIPTION		NUMBER:	70 70
** FROM PREVIOUS PAGE **			
DEATH COMMENT (DC)	NUMBER EXAMINED:		60 60
	NOT REMARKABLE:		0 0
--FRACTURED CALVARIUM			1 0
--HISTIOCYTIC SARCOMA			0 1
--MALIGNANT LYMPHOMA			0 1
--MAMMARY CARCINOMA			0 3
--MAMMARY FIBROADENOMA			3 2
--ORAL EROSION			1 0
--OSTEOMA			1 0
--PITUITARY ADENOMA			29 25
--PITUITARY CARCINOMA			0 1
--PYELONEPHRITIS			1 0
--SCHEDULED SACRIFICE			23 25
--UNDETERMINED			1 1
LN, MANDIBULAR (MN)	NUMBER EXAMINED:		12 11
	NOT REMARKABLE:		4 6
--HEMORRHAGE			5 4
--HYPERPLASIA, LYMPHOCYTIC			3 1
--INFILTRATE, MACROPHAGE, PIGMENTED			1 0
LN, AXILLARY (AX)	NUMBER EXAMINED:		16 15
	NOT REMARKABLE:		11 11
--HEMORRHAGE			1 4
--HYPERPLASIA, LYMPHOCYTIC			4 0

TABLE 36

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
TABLE INCLUDES: SEX=ALL;GROUP=ALL;WEEKS=ALL; DEATH=ALL;FIND=ALL;SUBSET=ALL	SEX:	-FEMALE-	
	GROUP:	-8-	-9-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	70
** FROM PREVIOUS PAGE **			
LN, AXILLARY (AX)	NUMBER EXAMINED:	16	15
	NOT REMARKABLE:	11	11
--INFILTRATE, MACROPHAGE, VACUOLATED		1	2
FOOT/FOOTPAD (FP)	NUMBER EXAMINED:	2	6
	NOT REMARKABLE:	0	0
--CYST		0	1
--EDEMA		0	1
--EROSION		2	3
--EXOSTOSES		0	2
--FIBROSIS		2	3
--INFLAMMATION, ACUTE		2	2
--INFLAMMATION, CHRONIC ACTIVE		0	2
--PIGMENT		0	1
LN, INGUINAL (IN)	NUMBER EXAMINED:	3	1
	NOT REMARKABLE:	1	1
--HYPERPLASIA, LYMPHOCYTIC		1	0
--N-MAMMARY CARCINOMA		1	0
AORTA (AO)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0

TABLE 36 Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER-OF-ANIMALS-AFFECTED ---	
SEX:		-FEMALE-	
GROUP:		-8-	-9-
NUMBER:		70	70
LN, RENAL (RL)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
LN, LUMBAR/ILIAC (LM)	NUMBER EXAMINED:	1	4
	NOT REMARKABLE:	1	4
HEMATO NEOPLASIA (HN)	NUMBER EXAMINED:	70	2
	NOT REMARKABLE:	69	0
--M-LYMPHOMA		0	1
--M-SARCOMA, HISTIOCYTIC		1	1
MAMMARY, MALE (MM)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
CAVITY, ABDOM (PC)	NUMBER EXAMINED:	1	0
	NOT REMARKABLE:	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0
TAIL (TI)	NUMBER EXAMINED:	0	1
	NOT REMARKABLE:	0	0
--EROSION		0	1
--INFLAMMATION, ACUTE		0	1

TABLE 36

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
TABLE INCLUDES: SEX=ALL;GROUP=ALL;WEEKS=ALL DEATH=ALL;FIND=ALL;SUBSET=ALL	SEX:	-FEMALE-	
	GROUP:	-8-	-9-
ORGAN AND FINDING DESCRIPTION	NUMBER:	70	70
** FROM PREVIOUS PAGE **			
TAIL (TI)	NUMBER EXAMINED:	0	1
	NOT REMARKABLE:	0	0
--M-FIBROSARCOMA		0	1
URETER (UE)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
CAVITY, ORAL (OC)	NUMBER EXAMINED:	1	0
	NOT REMARKABLE:	0	0
--EDEMA		1	0
--EROSION		1	0
--HEMORRHAGE		1	0
--INFLAMMATION, ACUTE		1	0
CALVARIUM/SKULL (CA)	NUMBER EXAMINED:	1	0
	NOT REMARKABLE:	0	0
--CYST, KERATIN		1	0
--FRACTURE		1	0
--HEMORRHAGE		1	0
--INFLAMMATION, ACUTE		1	0

TABLE 36

Covance 6329-228
3M T-6316.1

Incidence of Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER-OF-ANIMALS-AFFECTED ---	
SEX:		-FEMALE-	
GROUP:		-8-	-9-
NUMBER:		70	70
LN, MEDIASTINAL (ML)	NUMBER EXAMINED:	4	1
	NOT REMARKABLE:	0	0
--HEMORRHAGE		2	1
--INFILTRATE, MACROPHAGE, PIGMENTED		2	0
LN, OTHER (LN)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
BILE DUCT (BD)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
AUDITORY SEB GL (AS)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
LN, ANT MES/PANC (AP)	NUMBER EXAMINED:	1	0
	NOT REMARKABLE:	1	0
ADIPOSE TISSUE (AT)	NUMBER EXAMINED:	1	1
	NOT REMARKABLE:	0	0
--B-LIPOMA		0	1
--M-LIPOSARCOMA		1	0

TABLE 36 — Covance 6329-228 / 3M T-6316.1

Incidence of Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER-OF-ANIMALS-AFFECTED ---	
SEX:		-FEMALE-	
GROUP:		-8-	-9-
NUMBER:		70	70
JOINT, OTHER (JT)	NUMBER EXAMINED:	0	1
	NOT REMARKABLE:	0	0
--EXOSTOSES		0	1
--FIBROSIS		0	1
--INFLAMMATION, CHRONIC, SYNOVIAL		0	1
LN, POPLITEAL (PP)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
NASAL TURBINATE (NT)	NUMBER EXAMINED:	1	0
	NOT REMARKABLE:	0	0
--B-OSTEOMA		1	0

TABLE 37

Covance 6329-228
3M T-6316.1

Incidence of Severity of Selected Microscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
TABLE INCLUDES:					
SEX=ALL;GROUP=8,9;WEEKS=ALL	SEX:	--MALE--		-FEMALE-	
DEATH=3;FIND=ALL;SUBSET=T					
	GROUP:	-8-	-9-	-8-	-9-
ORGAN/TISSUE EXAMINED	NUMBER:	10	10	10	10
		-=-	-=-	-=-	-=-
** TOP OF LIST **					
LIVER (LI)	NUMBER EXAMINED:	10	10	10	10
--CYST	->	10	10	10	10
	TL>	10	10	10	10
--CYST, BILIARY	->	10	10	10	10
	TL>	10	10	10	10
	MN>	0.0	0.0	0.0	0.0
--DEGENERATION, CYSTIC	->	10	9	10	10
	3>	0	1	0	0
	TL>	10	10	10	10
	MN>	0.0	0.3	0.0	0.0
--FIBROSIS	->	10	10	10	10
	TL>	10	10	10	10
	MN>	0.0	0.0	0.0	0.0
--FIBROSIS, CAPSULAR	->	10	10	10	10
	TL>	10	10	10	10
	MN>	0.0	0.0	0.0	0.0
--FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC	->	10	10	10	10
	TL>	10	10	10	10
	MN>	0.0	0.0	0.0	0.0

TABLE 37 Covance 6329-228
3M T-6316.1

Incidence of Severity of Selected Microscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=T

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
	SEX:	--MALE--		-FEMALE-	
	GROUP:	-8-	-9-	-8-	-9-
ORGAN/TISSUE EXAMINED	NUMBER:	10	10	10	10
** FROM PREVIOUS PAGE **					
LIVER (LI)	NUMBER EXAMINED:	10	10	10	10
--FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC	->	10	10	10	10
	TL>	10	10	10	10
	MN>	0.0	0.0	0.0	0.0
--HEMATOPOIESIS, EXTRAMEDULLARY	->	10	10	10	10
	TL>	10	10	10	10
	MN>	0.0	0.0	0.0	0.0
--HEMORRHAGE	->	8	10	9	10
	1>	1	0	0	0
	2>	1	0	1	0
	TL>	10	10	10	10
	MN>	0.3	0.0	0.2	0.0
--HYPERPLASIA, BILE DUCT	->	10	10	10	9
	1>	0	0	0	1
	TL>	10	10	10	10
	MN>	0.0	0.0	0.0	0.1
--INFILTRATE, MAST CELLS	->	10	10	10	10
	TL>	10	10	10	10
	MN>	0.0	0.0	0.0	0.0

TABLE 37 Covance 6329-228
3M T-6316.1

Incidence of Severity of Selected Microscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=T

		--- NUMBER-OF-ANIMALS-AFFECTED ---			
	SEX:	--MALE--		-FEMALE-	
	GROUP:	-8-	-9-	-8-	-9-
ORGAN/TISSUE EXAMINED	NUMBER:	10	10	10	10
** FROM PREVIOUS PAGE **					
LIVER (LI)	NUMBER EXAMINED:	10	10	10	10
--INFLAMMATION, CHRONIC	->	9	8	10	10
	1>	1	2	0	0
	TL>	10	10	10	10
	MN>	0.1	0.2	0.0	0.0
--LIPIDOSIS, SUBCAPSULAR (TENSION LIPIDOSIS)	->	9	10	10	10
	4>	1	0	0	0
	TL>	10	10	10	10
	MN>	0.4	0.0	0.0	0.0
--NECROSIS, HEPATOCELLULAR	->	9	10	9	10
	2>	0	0	1	0
	4>	1	0	0	0
	TL>	10	10	10	10
	MN>	0.4	0.0	0.2	0.0
--PIGMENT	->	10	10	10	10
	TL>	10	10	10	10
	MN>	0.0	0.0	0.0	0.0
--TELANGIECTASIS	->	10	10	10	10
	TL>	10	10	10	10
	MN>	0.0	0.0	0.0	0.0

TABLE 37

Covance 6329-228
3M T-6316.1

Incidence of Severity of Selected Microscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=T

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
	SEX:	--MALE--		-FEMALE-	
	GROUP:	-8-	-9-	-8-	-9-
ORGAN/TISSUE EXAMINED	NUMBER:	10	10	10	10
** FROM PREVIOUS PAGE **					
LIVER (LI)	NUMBER EXAMINED:	10	10	10	10
--THROMBUS	->	10	10	10	10
	TL>	10	10	10	10
	MN>	0.0	0.0	0.0	0.0
--VACUOLATION, HEPATOCELLULAR	->	10	8	10	10
	1>	0	1	0	0
	2>	0	1	0	0
	TL>	10	10	10	10
	MN>	0.0	0.3	0.0	0.0
--B-ADENOMA, HEPATOCELLULAR	->	10	9	10	10
	+>	0	1	0	0
	TL>	10	10	10	10
--B-HEMANGIOMA	->	10	10	10	10
	TL>	10	10	10	10
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)	->	10	10	10	10
	TL>	10	10	10	10
** END OF LIST **					

TABLE 38

Covance 6329-228
3M T-6316.1

Incidence of Severity of Selected Microscopic Observations

Terminal Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=T;FIND=ALL;SUBSET=T

ORGAN/TISSUE EXAMINED		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
	SEX:	--MALE--		-FEMALE-	
	GROUP:	-8-	-9-	-8-	-9-
	NUMBER:	11	20	13	15
** TOP OF LIST **					
LIVER (LI)	NUMBER EXAMINED:	11	20	13	15
--CYST	->	11	20	13	15
	TL>	11	20	13	15
--CYST, BILIARY	->	11	20	12	15
	3>	0	0	1	0
	TL>	11	20	13	15
	MN>	0.0	0.0	0.2	0.0
--DEGENERATION, CYSTIC	->	9	16	12	14
	1>	1	0	0	0
	2>	0	3	0	0
	3>	1	1	1	1
	TL>	11	20	13	15
	MN>	0.4	0.5	0.2	0.2
--FIBROSIS	->	11	20	12	15
	5>	0	0	1	0
	TL>	11	20	13	15
	MN>	0.0	0.0	0.4	0.0
--FIBROSIS, CAPSULAR	->	11	19	13	15
	2>	0	1	0	0
	TL>	11	20	13	15
	MN>	0.0	0.1	0.0	0.0

TABLE 38

Covance 6329-228
3M T-6316.1

Incidence of Severity of Selected Microscopic Observations

Terminal Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
TABLE INCLUDES: SEX=ALL;GROUP=8,9;WEEKS=ALL; DEATH=T;FIND=ALL;SUBSET=T	SEX:	--MALE--		-FEMALE-	
	GROUP:	-8-	-9-	-8-	-9-
ORGAN/TISSUE EXAMINED	NUMBER:	11	20	13	15
** FROM PREVIOUS PAGE **					
LIVER (LI)	NUMBER EXAMINED:	11	20	13	15
--FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC	->	11	19	12	13
	2>	0	0	1	1
	3>	0	1	0	1
	TL>	11	20	13	15
	MN>	0.0	0.2	0.2	0.3
--FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC	->	10	14	10	10
	1>	0	0	0	1
	2>	0	2	0	1
	3>	0	4	3	1
	4>	1	0	0	2
	TL>	11	20	13	15
	MN>	0.4	0.8	0.7	0.9
--HEMATOPOIESIS, EXTRAMEDULLARY	->	11	20	13	15
	TL>	11	20	13	15
	MN>	0.0	0.0	0.0	0.0
--HEMORRHAGE	->	10	19	13	15
	2>	1	0	0	0
	3>	0	1	0	0
	TL>	11	20	13	15
	MN>	0.2	0.2	0.0	0.0

TABLE 38

Covance 6329-228
3M T-6316.1

Incidence of Severity of Selected Microscopic Observations

Terminal Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
TABLE INCLUDES: SEX=ALL;GROUP=8,9;WEEKS=ALL; DEATH=T;FIND=ALL;SUBSET=T	SEX:	--MALE--		-FEMALE-	
	GROUP:	-8-	-9-	-8-	-9-
ORGAN/TISSUE EXAMINED	NUMBER:	11	20	13	15
** FROM PREVIOUS PAGE **					
LIVER (LI)	NUMBER EXAMINED:	11	20	13	15
--HYPERPLASIA, BILE DUCT	->	7	15	11	13
	1>	4	5	1	2
	2>	0	0	1	0
	TL>	11	20	13	15
	MN>	0.4	0.3	0.2	0.1
--INFILTRATE, MAST CELLS	->	11	20	13	15
	TL>	11	20	13	15
	MN>	0.0	0.0	0.0	0.0
--INFLAMMATION, CHRONIC	->	5	10	9	11
	1>	6	10	3	4
	2>	0	0	1	0
	TL>	11	20	13	15
	MN>	0.5	0.5	0.4	0.3
--LIPIDOSIS, SUBCAPSULAR (TENSION LIPIDOSIS)	->	11	20	13	15
	TL>	11	20	13	15
	MN>	0.0	0.0	0.0	0.0
--NECROSIS, HEPATOCELLULAR	->	11	20	12	15
	5>	0	0	1	0
	TL>	11	20	13	15
	MN>	0.0	0.0	0.4	0.0

TABLE 38

Covance 6329-228
3M T-6316.1

Incidence of Severity of Selected Microscopic Observations

Terminal Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
TABLE INCLUDES: SEX=ALL;GROUP=8,9;WEEKS=ALL; DEATH=T;FIND=ALL;SUBSET=T	SEX:	--MALE--		-FEMALE-	
	GROUP:	-8-	-9-	-8-	-9-
ORGAN/TISSUE EXAMINED	NUMBER:	11	20	13	15
** FROM PREVIOUS PAGE **					
LIVER (LI)	NUMBER EXAMINED:	11	20	13	15
--PIGMENT	->	11	20	13	15
	TL>	11	20	13	15
	MN>	0.0	0.0	0.0	0.0
--TELANGIECTASIS	->	11	20	10	13
	1>	0	0	3	2
	TL>	11	20	13	15
	MN>	0.0	0.0	0.2	0.1
--THROMBUS	->	11	20	13	14
	4>	0	0	0	1
	TL>	11	20	13	15
	MN>	0.0	0.0	0.0	0.3
--VACUOLATION, HEPATOCELLULAR	->	11	15	11	14
	1>	0	1	0	1
	2>	0	4	2	0
	TL>	11	20	13	15
	MN>	0.0	0.5	0.3	0.1
--B-ADENOMA, HEPATOCELLULAR	->	10	19	12	15
	+>	1	1	1	0
	TL>	11	20	13	15
--B-HEMANGIOMA	->	11	20	13	15
	TL>	11	20	13	15

TABLE 38

Covance 6329-228
3M T-6316.1

Incidence of Severity of Selected Microscopic Observations

Terminal Sacrifice

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=T;FIND=ALL;SUBSET=T

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
	SEX:	--MALE--		-FEMALE-	
	GROUP:	-8-	-9-	-8-	-9-
ORGAN/TISSUE EXAMINED	NUMBER:	11	20	13	15
** FROM PREVIOUS PAGE **					
LIVER (LI) ..... NUMBER EXAMINED:		11	20	13	15
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)	->	11	18	13	15
	+>	0	2	0	0
	TL>	11	20	13	15

** END OF LIST **

TABLE 39

Covance 6329-228
3M T-6316.1

Incidence of Severity of Selected Microscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=T

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
	SEX:	--MALE--		-FEMALE-	
	GROUP:	-8-	-9-	-8-	-9-
ORGAN/TISSUE EXAMINED	NUMBER:	39	30	37	35
** TOP OF LIST **					
LIVER (LI)	NUMBER EXAMINED:	39	30	37	35
--CYST	->	37	30	37	35
	P>	2	0	0	0
	TL>	39	30	37	35
--CYST, BILIARY	->	39	30	36	35
	3>	0	0	1	0
	TL>	39	30	37	35
	MN>	0.0	0.0	0.1	0.0
--DEGENERATION, CYSTIC	->	36	26	37	34
	1>	1	0	0	1
	3>	2	2	0	0
	4>	0	2	0	0
	TL>	39	30	37	35
	MN>	0.2	0.5	0.0	0.0
--FIBROSIS	->	39	30	37	35
	TL>	39	30	37	35
	MN>	0.0	0.0	0.0	0.0
--FIBROSIS, CAPSULAR	->	39	30	37	35
	TL>	39	30	37	35
	MN>	0.0	0.0	0.0	0.0

TABLE 39

Covance 6329-228
3M T-6316.1

Incidence of Severity of Selected Microscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
TABLE INCLUDES: SEX=ALL;GROUP=8,9;WEEKS=ALL DEATH=D,M;FIND=ALL;SUBSET=T	SEX:	--MALE--		-FEMALE-	
	GROUP:	-8-	-9-	-8-	-9-
ORGAN/TISSUE EXAMINED	NUMBER:	39	30	37	35
** FROM PREVIOUS PAGE **					
LIVER (LI)	NUMBER EXAMINED:	39	30	37	35
--FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC	->	39	30	37	34
	3>	0	0	0	1
	TL>	39	30	37	35
	MN>	0.0	0.0	0.0	0.1
--FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC	->	36	27	37	33
	2>	1	0	0	1
	3>	2	3	0	1
	TL>	39	30	37	35
	MN>	0.2	0.3	0.0	0.1
--HEMATOPOIESIS, EXTRAMEDULLARY	->	37	29	36	34
	1>	2	1	1	0
	2>	0	0	0	1
	TL>	39	30	37	35
	MN>	0.1	0.0	0.0	0.1
--HEMORRHAGE	->	37	29	36	33
	1>	0	0	0	2
	2>	1	1	1	0
	3>	1	0	0	0
	TL>	39	30	37	35
	MN>	0.1	0.1	0.1	0.1

TABLE 39

Covance 6329-228
3M T-6316.1

Incidence of Severity of Selected Microscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
TABLE INCLUDES: SEX=ALL;GROUP=8,9;WEEKS=ALL; DEATH=D,M;FIND=ALL;SUBSET=T	SEX:	--MALE--		-FEMALE-	
	GROUP:	-8-	-9-	-8-	-9-
ORGAN/TISSUE EXAMINED	NUMBER:	39	30	37	35
** FROM PREVIOUS PAGE **					
LIVER (LI)	NUMBER EXAMINED:	39	30	37	35
--HYPERPLASIA, BILE DUCT	->	36	27	34	31
	1>	2	3	2	4
	3>	1	0	1	0
	TL>	39	30	37	35
	MN>	0.1	0.1	0.1	0.1
--INFILTRATE, MAST CELLS	->	39	29	37	35
	2>	0	1	0	0
	TL>	39	30	37	35
	MN>	0.0	0.1	0.0	0.0
--INFLAMMATION, CHRONIC	->	29	27	33	33
	1>	10	2	4	2
	3>	0	1	0	0
	TL>	39	30	37	35
	MN>	0.3	0.2	0.1	0.1
--LIPIDOSIS, SUBCAPSULAR (TENSION LIPIDOSIS)	->	38	29	37	35
	4>	1	1	0	0
	TL>	39	30	37	35
	MN>	0.1	0.1	0.0	0.0

TABLE 39

Covance 6329-228
3M T-6316.1

Incidence of Severity of Selected Microscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=T

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
	SEX:	--MALE--		-FEMALE-	
	GROUP:	-8-	-9-	-8-	-9-
ORGAN/TISSUE EXAMINED	NUMBER:	39	30	37	35
** FROM PREVIOUS PAGE **					
LIVER (LI)	NUMBER EXAMINED:	39	30	37	35
--NECROSIS, HEPATOCELLULAR	->	38	27	36	33
	1>	0	0	1	0
	2>	0	1	0	1
	3>	1	2	0	1
	TL>	39	30	37	35
	MN>	0.1	0.3	0.0	0.1
--PIGMENT	->	39	30	36	35
	1>	0	0	1	0
	TL>	39	30	37	35
	MN>	0.0	0.0	0.0	0.0
--TELANGIECTASIS	->	39	30	35	35
	1>	0	0	1	0
	5>	0	0	1	0
	TL>	39	30	37	35
	MN>	0.0	0.0	0.2	0.0
--THROMBUS	->	39	30	37	35
	TL>	39	30	37	35
	MN>	0.0	0.0	0.0	0.0

TABLE 39

Covance 6329-228
3M T-6316.1

Incidence of Severity of Selected Microscopic Observations

Unscheduled Deaths

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
TABLE INCLUDES: SEX=ALL;GROUP=8,9;WEEKS=ALL DEATH=D,M;FIND=ALL;SUBSET=T	SEX:	--MALE--		-FEMALE-	
	GROUP:	-8-	-9-	-8-	-9-
ORGAN/TISSUE EXAMINED	NUMBER:	39	30	37	35
** FROM PREVIOUS PAGE **					
LIVER (LI)	NUMBER EXAMINED:	39	30	37	35
--VACUOLATION, HEPATOCELLULAR	->	25	27	25	28
	1>	2	0	2	2
	2>	3	1	5	2
	3>	6	1	3	0
	4>	1	1	1	3
	5>	2	0	1	0
	TL>	39	30	37	35
	MN>	1.0	0.3	0.8	0.5
--B-ADENOMA, HEPATOCELLULAR	->	35	28	36	34
	+>	4	2	1	1
	TL>	39	30	37	35
--B-HEMANGIOMA	->	39	30	37	35
	TL>	39	30	37	35
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)	->	38	28	37	34
	+>	1	2	0	1
	TL>	39	30	37	35
** END OF LIST **					

TABLE 40

Covance 6329-228
3M T-6316.1

Incidence of Severity of Selected Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=T

ORGAN/TISSUE EXAMINED		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-8-	-9-	-8-	-9-
NUMBER:		70	70	70	70
** TOP OF LIST **		-=-	-=-	-=-	-=-
LIVER (LI) ..... NUMBER EXAMINED:		60	60	60	60
--CYST	->	58	60	60	60
	P>	2	0	0	0
	TL>	60	60	60	60
--CYST, BILIARY	->	60	60	58	60
	3>	0	0	2	0
	TL>	60	60	60	60
	MN>	0.0	0.0	0.1	0.0
--DEGENERATION, CYSTIC	->	55	51	59	58
	1>	2	0	0	1
	2>	0	3	0	0
	3>	3	4	1	1
	4>	0	2	0	0
	TL>	60	60	60	60
	MN>	0.2	0.4	0.1	0.1
--FIBROSIS	->	60	60	59	60
	5>	0	0	1	0
	TL>	60	60	60	60
	MN>	0.0	0.0	0.1	0.0
--FIBROSIS, CAPSULAR	->	60	59	60	60
	2>	0	1	0	0
	TL>	60	60	60	60
	MN>	0.0	0.0	0.0	0.0

TABLE 40

Covance 6329-228
3M T-6316.1

Incidence of Severity of Selected Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=T

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
	SEX:	--MALE--		-FEMALE-	
	GROUP:	-8-	-9-	-8-	-9-
ORGAN/TISSUE EXAMINED	NUMBER:	70	70	70	70
** FROM PREVIOUS PAGE **					
LIVER (LI)	NUMBER EXAMINED:	60	60	60	60
--FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC	->	60	59	59	57
	2>	0	0	1	1
	3>	0	1	0	2
	TL>	60	60	60	60
	MN>	0.0	0.1	0.0	0.1
--FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC	->	56	51	57	53
	1>	0	0	0	1
	2>	1	2	0	2
	3>	2	7	3	2
	4>	1	0	0	2
	TL>	60	60	60	60
	MN>	0.2	0.4	0.2	0.3
--HEMATOPOIESIS, EXTRAMEDULLARY	->	58	59	59	59
	1>	2	1	1	0
	2>	0	0	0	1
	TL>	60	60	60	60
	MN>	0.0	0.0	0.0	0.0
--HEMORRHAGE	->	55	58	58	58
	1>	1	0	0	2
	2>	3	1	2	0
	3>	1	1	0	0
	TL>	60	60	60	60
	MN>	0.2	0.1	0.1	0.0

TABLE 40

Covance 6329-228
3M T-6316.1

Incidence of Severity of Selected Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
TABLE INCLUDES:					
SEX=ALL;GROUP=8,9;WEEKS=ALL	SEX:	--MALE--		-FEMALE-	
DEATH=ALL;FIND=ALL;SUBSET=T					
	GROUP:	-8-	-9-	-8-	-9-
ORGAN/TISSUE EXAMINED	NUMBER:	70	70	70	70
** FROM PREVIOUS PAGE **					
LIVER (LI)	NUMBER EXAMINED:	60	60	60	60
--HYPERPLASIA, BILE DUCT	->	53	52	55	53
	1>	6	8	3	7
	2>	0	0	1	0
	3>	1	0	1	0
	TL>	60	60	60	60
	MN>	0.2	0.1	0.1	0.1
--INFILTRATE, MAST CELLS	->	60	59	60	60
	2>	0	1	0	0
	TL>	60	60	60	60
	MN>	0.0	0.0	0.0	0.0
--INFLAMMATION, CHRONIC	->	43	45	52	54
	1>	17	14	7	6
	2>	0	0	1	0
	3>	0	1	0	0
	TL>	60	60	60	60
	MN>	0.3	0.3	0.2	0.1
--LIPIDOSIS, SUBCAPSULAR (TENSION LIPIDOSIS)	->	58	59	60	60
	4>	2	1	0	0
	TL>	60	60	60	60
	MN>	0.1	0.1	0.0	0.0

TABLE 40

Covance 6329-228
3M T-6316.1

Incidence of Severity of Selected Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=T

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
	SEX:	--MALE--		-FEMALE-	
	GROUP:	-8-	-9-	-8-	-9-
ORGAN/TISSUE EXAMINED	NUMBER:	70	70	70	70
** FROM PREVIOUS PAGE **					
LIVER (LI)	NUMBER EXAMINED:	60	60	60	60
--NECROSIS, HEPATOCELLULAR	->	58	57	57	58
	1>	0	0	1	0
	2>	0	1	1	1
	3>	1	2	0	1
	4>	1	0	0	0
	5>	0	0	1	0
	TL>	60	60	60	60
	MN>	0.1	0.1	0.1	0.1
--PIGMENT	->	60	60	59	60
	1>	0	0	1	0
	TL>	60	60	60	60
	MN>	0.0	0.0	0.0	0.0
--TELANGIECTASIS	->	60	60	55	58
	1>	0	0	4	2
	5>	0	0	1	0
	TL>	60	60	60	60
	MN>	0.0	0.0	0.2	0.0
--THROMBUS	->	60	60	60	59
	4>	0	0	0	1
	TL>	60	60	60	60
	MN>	0.0	0.0	0.0	0.1

TABLE 40

Covance 6329-228
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Incidence of Severity of Selected Microscopic Observations

All Animals

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=8,9;WEEKS=ALL
DEATH=ALL;FIND=ALL;SUBSET=T

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
	SEX:	--MALE--		-FEMALE-	
	GROUP:	-8-	-9-	-8-	-9-
ORGAN/TISSUE EXAMINED	NUMBER:	70	70	70	70
** FROM PREVIOUS PAGE **					
LIVER (LI) ..... NUMBER EXAMINED:		60	60	60	60
--VACUOLATION, HEPATOCELLULAR	->	46	50	46	52
	1>	2	2	2	3
	2>	3	6	7	2
	3>	6	1	3	0
	4>	1	1	1	3
	5>	2	0	1	0
	TL>	60	60	60	60
	MN>	0.7	0.4	0.6	0.3
--B-ADENOMA, HEPATOCELLULAR	->	55	56	58	59
	+>	5	4	2	1
	TL>	60	60	60	60
--B-HEMANGIOMA	->	60	60	60	60
	TL>	60	60	60	60
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)	->	59	56	60	59
	+>	1	4	0	1
	TL>	60	60	60	60
** END OF LIST **					

APPENDIX 1

Protocol Deviations

Protocol Deviations

Protocol. Test Material. Purity. 98.1% N-EtFOSE (w/w).

Actual Procedure. The purity of the test material, as determined by Centre Analytical Laboratories, Inc. on November 26, 2000, was 97.4%.

Protocol. Dosing Procedures. Method of Administration. Animals will receive test diet for at least 104 weeks.

Actual Procedure. Animal No. C92392, Group 8 female, was found without feed on September 21, 1998.

Protocol. Observation of Animals. Clinical Observations. Animals will be observeed twice daily (a.m. and p.m.). Per standard operating procedure, p.m. checks must be done at least 6 hours after the a.m. check and not before 12:00 p.m.

Actual Procedure. The p.m. room check was done at 11:52 on June 31, 1998. The p.m. room check was done 17minutes early on January 25, 2000.

Protocol. Observation of Animals. Body Weights. Body weights will be taken weekly for Weeks 1 through 17.

Actual Procedure. The body weight taken on May 25, 1998, for Animal No. C92447. Group 9 female, was excluded due to a weighing error. The body weight taken for Animal No. C92345, Group 8 female, was excluded due to a weighing error.

Protocol. Observation of Animals. Food Consumption. Animals will have food consumption recorded weekly for Weeks 1 through 16 and once every 4 weeks thereafter.

Protocol Deviations (Continued)

Actual Procedure. Food consumption values were excluded for Week 14 for animals where empty feeder weights were not documented. Documentation of spilled feed may have not been recorded during Week 76, therefore food consumption data may be in error.

Protocol. Postmortem Procedures. Palmitoyl-CoA Oxidase Tissue Collection and Analyses. At the Week 14 sacrifice, a sample of the right lateral lobe will be flash-frozen in liquid nitrogen.

Actual Procedure. Flash-freezing of the liver at Week 14 was not documented.

Protocol. Postmortem Procedures. Organ Weights. Liver will be weighed at the Week 53 interim sacrifice.

Actual Procedure. The liver was not weighed for Animal No. C92326, Group 9 male.

Protocol. Postmortem Procedures. Tissue Preservation. A selected list of tissues will be collected from each animal and stored in 10% neutral-buffered formalin.

Actual Procedure. Selected tissues to be held and not examined microscopically for animals in Group 9 were trimmed. These tissues were returned to wet tissue and not processed to slides.

Protocol. Postmortem Procedures. Histopathology. Selected tissues from each animal in Groups 8 and 9 will be examined microscopically.

Protocol Deviations (Continued)

Actual Procedure. Some tissues, required by protocol, were not available for histopathologuc examination. Missing tissues are listed with appropriate comments in the pathology data sheets for individual animals. Summary tables do not include them as having been examined.

These deviations are not expected to have affected the results of the study.

COVANCE
THE DEVELOPMENT SERVICES COMPANY

Sponsor:

3M
St. Paul, Minnesota

FINAL REPORT

Study Title:

104-Week Dietary Carcinogenicity Study with Narrow Range (98.1%) N-Ethyl Perfluorooctanesulfonamido Ethanol in Rats

Author:

Peter J. Thomford, PhD

Study Completion Date:

December 13, 2001

Testing Facility:

Covance Laboratories Inc.
3301 Kinsman Boulevard
Madison, Wisconsin 53704-2595

Laboratory Study Identification:

Covance 6329-228

Sponsor Study Identification:

3M T-6316.1

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APPENDIX 2

Individual Animal Fate Data
Individual Clinical Observations

APPENDIX 2

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Individual Animal Fate Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C92191	8	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/27/00	722	104
C92192	8	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	04/28/98	23	4
C92193	8	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92194	8	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/11/00	706	101
C92195	8	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/07/99	367	53
C92196	8	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	04/28/98	23	4
C92197	8	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92198	8	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	06/19/98	75	11
C92199	8	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/07/99	367	53
C92200	8	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/21/99	534	77
C92201	8	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/27/00	662	95
C92202	8	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	11/25/99	599	86
C92203	8	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92204	8	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	10/27/99	570	82
C92205	8	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/07/99	367	53
C92206	8	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/14/99	527	76
C92207	8	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	04/28/98	23	4
C92208	8	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92209	8	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92210	8	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/23/00	689	99
C92211	8	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/07/99	367	53
C92212	8	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/27/00	722	104
C92213	8	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/27/99	356	51
C92214	8	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/15/99	589	85
C92215	8	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/14/99	527	76
C92216	8	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	04/28/98	23	4
C92217	8	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/04/99	547	79
C92218	8	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92219	8	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/03/99	607	87
C92220	8	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	09/25/99	538	77
C92221	8	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/10/00	645	93
C92222	8	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92223	8	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/07/99	367	53
C92224	8	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	03/21/00	716	103

APPENDIX 2

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Individual Animal Fate Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C92225	8	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	08/12/99	494	71
C92226	8	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/27/99	631	91
C92227	8	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/17/00	712	102
C92228	8	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/25/99	446	64
C92229	8	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	11/26/99	600	86
C92230	8	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/07/99	367	53
C92231	8	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92232	8	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/28/00	694	100
C92233	8	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92234	8	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/15/99	589	85
C92235	8	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/11/00	677	97
C92236	8	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	12/20/99	624	90
C92237	8	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/11/00	706	101
C92238	8	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/07/99	367	53
C92239	8	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92240	8	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	11/04/99	578	83
C92241	8	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/10/00	645	93
C92242	8	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	07/14/99	465	67
C92243	8	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	08/03/99	485	70
C92244	8	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	07/02/99	453	65
C92245	8	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	07/25/99	476	68
C92246	8	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/07/99	367	53
C92247	8	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/07/99	367	53
C92248	8	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	07/26/99	477	69
C92249	8	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	08/17/99	499	72
C92250	8	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/02/00	637	91
C92251	8	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/08/99	582	84
C92252	8	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92253	8	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/07/99	367	53
C92254	8	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/29/99	603	87
C92255	8	MALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/07/98	93	14
C92256	8	MALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/07/98	93	14
C92257	8	MALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/07/98	93	14
C92258	8	MALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/07/98	93	14

APPENDIX 2

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Individual Animal Fate Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C92259	8	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	04/28/98	23	4
C92260	8	MALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/07/98	93	14
C92261	9	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92262	9	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/27/00	722	104
C92263	9	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92264	9	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	04/28/98	23	4
C92265	9	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	10/16/99	559	80
C92266	9	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92267	9	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/07/99	367	53
C92268	9	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/28/00	694	100
C92269	9	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	08/24/99	506	73
C92270	9	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92271	9	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	12/21/99	625	90
C92272	9	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/16/99	590	85
C92273	9	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	01/24/99	294	42
C92274	9	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/07/99	367	53
C92275	9	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/27/00	722	104
C92276	9	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	08/28/99	510	73
C92277	9	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	05/25/99	415	60
C92278	9	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92279	9	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/13/99	617	89
C92280	9	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	04/28/98	23	4
C92281	9	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92282	9	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92283	9	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92284	9	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	04/28/98	23	4
C92285	9	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/14/99	527	76
C92286	9	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/07/99	367	53
C92287	9	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/07/99	367	53
C92288	9	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/07/99	367	53
C92289	9	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92290	9	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/17/99	438	63
C92291	9	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	02/07/00	673	97
C92292	9	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	07/12/99	463	67

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Individual Animal Fate Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C92293	9	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	01/18/99	288	42
C92294	9	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/07/00	673	97
C92295	9	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92296	9	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/12/99	525	75
C92297	9	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92298	9	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	07/19/99	470	68
C92299	9	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92300	9	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	04/28/98	23	4
C92301	9	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	12/01/99	605	87
C92302	9	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/02/00	668	96
C92303	9	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/07/99	367	53
C92304	9	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/31/00	666	96
C92305	9	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/17/99	438	63
C92306	9	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	03/27/00	722	104
C92307	9	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/12/00	707	101
C92308	9	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92309	9	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92310	9	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	08/25/99	507	73
C92311	9	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92312	9	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/28/99	449	65
C92313	9	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	02/08/00	674	97
C92314	9	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/14/00	649	93
C92315	9	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/07/99	367	53
C92316	9	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/07/00	702	101
C92317	9	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/07/99	367	53
C92318	9	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92319	9	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92320	9	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/07/99	367	53
C92321	9	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92322	9	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92323	9	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92324	9	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/07/99	367	53
C92325	9	MALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/07/98	93	14
C92326	9	MALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/07/98	93	14

APPENDIX 2

Individual Animal Fate Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C92327	9	MALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/07/98	93	14
C92328	9	MALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/07/98	93	14
C92329	9	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	04/28/98	23	4
C92330	9	MALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/07/98	93	14
C92331	8	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/06/00	641	92
C92332	8	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	04/28/98	23	4
C92333	8	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92334	8	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92335	8	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	05/29/98	54	8
C92336	8	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/27/99	570	82
C92337	8	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/26/99	569	82
C92338	8	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	08/02/99	484	70
C92339	8	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	01/17/00	652	94
C92340	8	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/05/99	548	79
C92341	8	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/07/99	367	53
C92342	8	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/15/99	344	50
C92343	8	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	05/10/99	400	58
C92344	8	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/27/00	722	104
C92345	8	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	10/28/98	206	30
C92346	8	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/14/99	435	63
C92347	8	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/01/99	330	48
C92348	8	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92349	8	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	09/28/99	541	78
C92350	8	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/21/00	656	94
C92351	8	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92352	8	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	04/28/98	23	4
C92353	8	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/01/00	667	96
C92354	8	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92355	8	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	04/28/98	23	4
C92356	8	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/07/99	367	53
C92357	8	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/07/99	367	53
C92358	8	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92359	8	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	01/13/00	648	93
C92360	8	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C92361	8	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/07/00	702	101
C92362	8	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92363	8	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/01/99	575	83
C92364	8	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/17/99	438	63
C92365	8	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/07/99	367	53
C92366	8	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	04/28/98	23	4
C92367	8	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92368	8	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/17/00	712	102
C92369	8	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92370	8	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/02/00	697	100
C92371	8	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	12/15/99	619	89
C92372	8	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/07/99	367	53
C92373	8	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	04/28/98	23	4
C92374	8	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92375	8	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/01/99	605	87
C92376	8	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/07/99	367	53
C92377	8	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	05/03/99	393	57
C92378	8	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	08/26/99	508	73
C92379	8	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	08/16/99	498	72
C92380	8	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/18/99	561	81
C92381	8	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	07/29/99	480	69
C92382	8	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	05/03/99	393	57
C92383	8	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92384	8	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/10/99	614	88
C92385	8	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/31/00	666	96
C92386	8	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92387	8	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	08/31/99	513	74
C92388	8	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/07/99	367	53
C92389	8	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/07/99	367	53
C92390	8	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/07/99	367	53
C92391	8	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	01/12/00	647	93
C92392	8	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/21/99	442	64
C92393	8	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/18/00	653	94
C92394	8	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/15/99	589	85

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C92395	8	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/07/99	367	53
C92396	8	FEMALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/07/98	93	14
C92397	8	FEMALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/07/98	93	14
C92398	8	FEMALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/07/98	93	14
C92399	8	FEMALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/07/98	93	14
C92400	8	FEMALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/07/98	93	14
C92401	9	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/06/00	641	92
C92402	9	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	04/28/98	23	4
C92403	9	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	03/27/99	356	51
C92404	9	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/23/99	566	81
C92405	9	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/20/00	686	98
C92406	9	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/07/99	367	53
C92407	9	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/07/99	367	53
C92408	9	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/27/00	722	104
C92409	9	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/25/00	691	99
C92410	9	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92411	9	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/07/99	367	53
C92412	9	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92413	9	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/15/00	710	102
C92414	9	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/14/99	435	63
C92415	9	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	12/15/99	619	89
C92416	9	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92417	9	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/18/00	653	94
C92418	9	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/07/99	367	53
C92419	9	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92420	9	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	08/23/99	505	73
C92421	9	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92422	9	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/07/99	367	53
C92423	9	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92424	9	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/07/99	367	53
C92425	9	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/28/00	694	100
C92426	9	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92427	9	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/14/99	435	63
C92428	9	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/07/99	428	62

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ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C92429	9	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	06/10/99	431	62
C92430	9	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92431	9	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92432	9	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/24/99	537	77
C92433	9	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/07/99	367	53
C92434	9	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	12/29/99	633	91
C92435	9	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	04/28/98	23	4
C92436	9	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/31/00	666	96
C92437	9	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/19/99	348	50
C92438	9	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/07/99	367	53
C92439	9	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92440	9	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	10/17/99	560	80
C92441	9	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/07/99	367	53
C92442	9	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	07/25/99	476	68
C92443	9	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92444	9	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92445	9	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/31/00	666	96
C92446	9	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/05/99	579	83
C92447	9	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/03/00	638	92
C92448	9	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	08/02/99	484	70
C92449	9	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/07/99	367	53
C92450	9	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/15/99	619	89
C92451	9	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92452	9	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92453	9	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/28/00	694	100
C92454	9	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/23/99	566	81
C92455	9	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/23/00	718	103
C92456	9	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/04/00	730	105
C92457	9	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/15/99	589	85
C92458	9	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	07/19/99	470	68
C92459	9	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/28/00	694	100
C92460	9	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/13/00	679	97
C92461	9	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/04/99	425	61
C92462	9	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/21/00	687	99

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ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C92463	9	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	04/28/98	23	4
C92464	9	FEMALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/07/98	93	14
C92465	9	FEMALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/07/98	93	14
C92466	9	FEMALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/07/98	93	14
C92467	9	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	04/28/98	23	4
C92468	9	FEMALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/07/98	93	14
C92469	9	FEMALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/07/98	93	14
C92470	9	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	04/28/98	23	4

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92191	M	104	APPEARANCE	
			SWOLLEN	
			PAW-HIND-LEFT	708
			EYES	
			PALE	
			EYES	701, 708, 715, 722
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435
			MASS(ES)	
			INGUINAL REGION-LEFT	
			WEEK 64	442C, 449C, 456C, 463C, 470C, 477C, 484C, 491C, 498C, 505C, 512C 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C 673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C
C92192	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22-23

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92193	T	105	SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-LEFT	701, 708, 715, 722, 729-730
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694
C92194	M	101	BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	706
			COLD TO TOUCH	
			ENTIRE BODY	706
			EXCRETION	
			NO FECES	706
			EYES	
			DILATED PUPIL	
			EYES	706
			PALE	
			EYES	706
			RESPIRATION	
			AUDIBLE	706
			LABORED	706

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92194	M	101	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701
C92195	3	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 367
C92196	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22-23
C92197	T	105	APPEARANCE	
			MALOCCLUSION	337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 694 701, 708, 715, 722, 729-730
			SWOLLEN	
			PAW-HIND-LEFT	729-730
			THIN	582, 708, 715, 722, 729-730
			EXCRETION	
			FEW FECES	498, 505

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92197	T	105	SKIN & PELAGE	
			SORE/SCAB	
			DORSAL	631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715 722, 729-730
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330
C92198	D	11	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 75
C92199	3	53	SKIN & PELAGE	
			SORE/SCAB	
			SCROTUM	337, 344, 351
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 358, 365, 367
C92200	M	77	BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	526, 533-534
			EXCRETION	
			FEW FECES	526, 533-534

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92200	M	77	EYES	
			RED DISCHARGE	
			EYE-LEFT	519, 526
			EYES	533-534
			SKIN & PELAGE	
			SORE/SCAB	
			TAIL-PROXIMAL	498, 505
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463
			WART LIKE LESION(S)	
			NOSE	
			WEEK 68	470, 477, 484, 491
			TAIL-PROXIMAL	
			WEEK 74	512, 519, 526, 533-534
C92201	M	95	APPEARANCE	
			LIMITED USE	
			LIMBS-HIND	659, 662
			EXCRETION	
			FEW FECES	662
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER	GROUP: M8 DOSE: 0 PPM DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92201	M	95	NORMAL	
			NO REMARKABLE OBSERVATIONS	204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652
C92202	D	86	APPEARANCE	
			MALOCCLUSION	592, 596, 599
			SWOLLEN	
			PAW-HIND-RIGHT	491, 498, 505
			THIN	589, 592, 596, 599
			DISCHARGE	
			OTHER	592C
			EXCRETION	
			FEW FECES	582, 589, 592, 596, 599
			RESPIRATION	
			IRREGULAR	592
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92203	T	105	APPEARANCE	
			OBESE	526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610 617, 624, 631, 638, 645, 652, 659
			SWOLLEN	
			PAW-HIND-LEFT	693-694, 701, 708, 715, 722, 729-730
			THIN	729-730
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 666, 673, 680, 687
C92204	D	82	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 570
C92205	3	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 367

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92206	M	76	BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	526-527
			DISCHARGE	
			NASAL	
			RED IN COLOR	512, 519
			EXCRETION	
			FEW FECES	526-527
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505
C92207	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22-23
C92208	T	105	APPEARANCE	
			MALOCCLUSION	148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323
			EXCRETION	
			NONFORMED FECES	708
			SKIN & PELAGE	
			SORE/SCAB	
			DORSAL-THORACIC-RIGHT	722, 729-730

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92208	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 715
C92209	T	105	APPEARANCE	
			MALOCCLUSION	71, 78, 85, 92, 99, 106, 113, 120, 127, 134, 141, 148, 155, 162 169, 176, 183, 190, 197, 204, 211, 218, 225, 232, 239, 246, 253 260, 267, 274, 281, 288, 295, 302, 309, 316, 323, 330, 337, 344 351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435 442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512, 519, 526 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617 624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708 715, 722, 729-730
			THIN	701, 708
			EYES	
			RED DISCHARGE	
			EYES	64
			RESPIRATION	
			AUDIBLE	64
			SKIN & PELAGE	
			PALE	
			ENTIRE BODY	701, 708, 715, 722, 729-730
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92210	M	99	APPEARANCE	
			MALOCCLUSION	64, 71, 78, 85, 92, 99, 106, 113, 120, 127, 134, 141, 148, 155 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232, 239, 246 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323, 330, 337 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512, 519 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 683, 687-689
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	688-689
			DISCHARGE	
			NASAL	
			RED IN COLOR	688
			EXCRETION	
			FEW FECES	688
			NO FECES	689
			NONFORMED FECES	393, 652
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	683, 687-688
			PERINEAL AREA	689
			YELLOW HAIR COAT	687-689
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92211	3	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 367
C92212	M	104	APPEARANCE	
			THIN	701, 708, 714-715, 718, 722
			DISCHARGE	
			NASAL	
			RED IN COLOR	714-715, 718, 722
			EXCRETION	
			FEW FECES	714-715
			NO FECES	718, 722
			NONFORMED FECES	204
			SKIN & PELAGE	
			PALE	
			ENTIRE BODY	722
			RED HAIR COAT	
			PERINEAL AREA	715, 718, 722
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER	GROUP: M8 DOSE: 0 PPM DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92212	M	104	NORMAL	
			NO REMARKABLE OBSERVATIONS	666, 673, 680, 687, 694
C92213	M	51	BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	356
			COLD TO TOUCH	
			ENTIRE BODY	356
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	351, 356
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344
C92214	M	85	APPEARANCE	
			THIN	589
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	589
			DISCHARGE	
			NASAL	
			RED IN COLOR	589
			EXCRETION	
			NO FECES	589

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92214	M	85	SKIN & PELAGE	
			YELLOW HAIR COAT	589
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582
C92215	M	76	APPEARANCE	
			MALOCCLUSION	428, 435, 442, 449, 470, 477, 484, 491, 498, 505, 512, 519 526-527
			SWOLLEN	
			NOSE	470, 477, 484, 491, 498, 505, 512
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	526-527
			EXCRETION	
			FEW FECES	526-527
			EYES	
			SQUINTED	
			PERI-ORBITAL-LEFT	470, 477, 484, 491, 498, 505, 512, 519, 526-527
			SKIN & PELAGE	
			BROWN HAIR COAT	
			VENTRAL-ABDOMINAL	512, 519, 526-527

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92215	M	76	SKIN & PELAGE	
			BROWN HAIR COAT	
			VENTRAL-CERVICAL	512, 519, 526-527
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 456, 463
C92216	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22-23
C92217	M	79	SKIN & PELAGE	
			SORE/SCAB	
			PAW-FRONT-LEFT	421
			VENTRAL-ABDOMINAL	141, 442, 449, 456
			VENTRAL-ABDOMINAL-LEFT	197
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 148, 155, 162, 169, 176, 183, 204, 211, 218, 253 260, 267, 274, 281, 288, 295, 302, 309, 316, 323, 330, 337, 344 351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 428
			MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 28	190
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 33	225C, 232C, 239C, 246C
			WEEK 63	435C, 442C, 449C, 456C, 463C, 470C, 477C, 484C, 491C, 498C, 505C

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92217	M	79	MASS(ES)	
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 63	512C, 519C, 526C, 533C, 540C, 547C
			WART LIKE LESION(S)	
			VENTRAL-ABDOMINAL	
			WEEK 20	134
C92218	T	105	APPEARANCE	
			MALOCCLUSION	43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113, 120, 127, 134, 141 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687 693-694, 701, 708, 715, 722, 729-730
			MISSING	
			TEETH	407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673 680, 687, 693-694, 701, 708, 715, 722, 729-730
			THIN	693-694, 701, 708, 715, 722, 729-730
			SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-RIGHT	386, 400, 442, 449, 456, 526, 533, 540, 547, 554, 561, 568, 575 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666 673, 680, 687, 693-694, 701, 708, 715, 722, 729-730
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92218	T	105	MASS(ES)	
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 79	547, 554, 561
C92219	M	87	BEHAVIOR	
			OTHER	607C
			EXCRETION	
			FEW FECES	607
			SKIN & PELAGE	
			SORE/SCAB	
			TAIL-DISTAL	607
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603
C92220	D	77	EYES	
			RED DISCHARGE	
			EYE-LEFT	498
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	449

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92220	D	77	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 456, 463, 470, 477 484, 491, 505, 512, 519, 526, 533, 538
C92221	M	93	APPEARANCE	
			HUNCHED	645
			THIN	582, 589, 596, 603, 610, 617, 624, 631, 638, 645
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	645
			EXCRETION	
			FEW FECES	645
			EYES	
			RED DISCHARGE	
			EYES	645
			SQUINTED	
			PERI-ORBITAL	645
			SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-RIGHT	386, 393, 400, 407, 414, 421
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92221	M	93	NORMAL	
			NO REMARKABLE OBSERVATIONS	204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512 519, 526, 533, 540, 547, 554, 561, 568, 575
C92222	T	105	SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL	526, 533, 540
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 547, 554, 561, 568, 575, 582, 589 596, 603, 610, 617, 624, 631, 638, 645, 652
			MASS(ES)	
			DORSAL	
			WEEK 95	659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729-730C
			VENTRAL-ABDOMINAL	
			WEEK 75	519C

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92223	3	53	SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL-LEFT	295, 302, 309, 316, 323
			VENTRAL-ABDOMINAL-RIGHT	225, 232
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 239, 246 253, 260, 267, 330, 337, 344, 351, 358, 365, 367
			MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 40	274C, 281C, 288C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 28	190, 197, 204, 211C, 218C
C92224	D	103	APPEARANCE	
			SWOLLEN	
			PAWS-HIND	708, 715-716
			EXCRETION	
			NONFORMED FECES	498, 505
			SKIN & PELAGE	
			BROWN HAIR COAT	
			VENTRAL-ABDOMINAL	715-716
			SORE/SCAB	
			DORSAL-THORACIC-LEFT	624
			PAW-HIND-RIGHT	582, 589, 596
			PAWS-HIND	603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687 694, 697, 701, 708, 715-716
			VENTRAL-ABDOMINAL	232, 239, 246, 547, 554, 561, 568, 575

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92224	D	103	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 512, 519 526, 533
			MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 32	218C, 225C, 232C, 239C, 246C
			WEEK 78	540, 547, 554, 561
			WART LIKE LESION(S)	
			DORSAL	
			WEEK 93	645, 652, 659, 666, 673, 680, 687, 694, 697, 701, 708, 715-716
C92225	M	71	APPEARANCE	
			THIN	477, 484, 491, 494
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	494
			SKIN & PELAGE	
			BROWN HAIR COAT	
			PERINEAL AREA	494
			ROUGH HAIR COAT	491, 494
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER	GROUP: M8 DOSE: 0 PPM DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92225	M	71	NORMAL	
			NO REMARKABLE OBSERVATIONS	204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470
C92226	M	91	APPEARANCE	
			THIN	624, 631
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	631
			EYES	
			RED DISCHARGE	
			EYE-RIGHT	631
			RESPIRATION	
			IRREGULAR	631
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92227	M	102	APPEARANCE	
			MALOCCLUSION	190
			THIN	701, 708, 710-712
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	708, 710-712
			COLD TO TOUCH	
			ENTIRE BODY	711-712
			EXCRETION	
			FEW FECES	673, 711-712
			NONFORMED FECES	710
			SKIN & PELAGE	
			PALE	
			ENTIRE BODY	708, 710-712
			SORE/SCAB	
			VENTRAL-ABDOMINAL	519, 526, 533, 540, 547, 554, 561, 568, 575
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 197, 204 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505, 582, 589, 596, 603, 610, 617, 624, 631, 638 645, 652, 659, 666, 680, 687, 694
			MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 74	512, 519

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92228	M	64	APPEARANCE	
			HUNCHED	442-443, 446
			PROTRUDING PENIS	414
			THIN	421, 428, 435, 442-443, 446
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	443, 446
			EXCRETION	
			FEW FECES	421, 428, 435, 442-443, 446
			RESPIRATION	
			LABORED	443, 446
			SKIN & PELAGE	
			RED HAIR COAT	
			VENTRAL-ABDOMINAL	446
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92229	D	86	APPEARANCE	
			MALOCCLUSION	211, 218, 225
			EXCRETION	
			FEW FECES	407, 414, 421
			NONFORMED FECES	512
			SKIN & PELAGE	
			SORE/SCAB	
			DORSAL	498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582 589, 596, 600
			DORSAL-CERVICAL-RIGHT	463, 470, 477, 484, 491
			LUMBAR-RIGHT	183, 190, 197
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 204, 232, 239 246, 253, 260, 267, 274
			WART LIKE LESION(S)	
			DORSAL	
			WEEK 41	281, 288, 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456
C92230	3	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 367

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92231	T	105	EXCRETION	
			NONFORMED FECES	694, 701, 708, 715
			SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-THORACIC-RIGHT	729-730
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 722
C92232	M	100	APPEARANCE	
			MALOCCLUSION	456, 463, 470
			EXCRETION	
			FEW FECES	673, 680, 687
			NO FECES	690, 694
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	687, 690, 694
			ROUGH HAIR COAT	690, 694
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92232	M	100	NORMAL	
			NO REMARKABLE OBSERVATIONS	204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 477, 484, 491 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666
C92233	T	105	APPEARANCE	
			THIN	701, 708, 715, 722, 729-730
			EXCRETION	
			FEW FECES	701, 708, 715, 722
			NO FECES	106
			NONFORMED FECES	134
			EYES	
			SQUINTED	
			PERI-ORBITAL	701, 708, 715, 722, 729-730
			SKIN & PELAGE	
			YELLOW HAIR COAT	701, 722, 729-730
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 113 120, 127, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666 673, 680, 687, 694

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92234	M	85	APPEARANCE	
			OBESE	547, 554, 561, 568, 575, 580, 582, 587
			THIN	589
			EXCRETION	
			FEW FECES	580, 582, 587
			NO FECES	589
			EYES	
			SQUINTED	
			PERI-ORBITAL	580, 582, 587, 589
			HOUSING,FOOD,WATER & MAINT.	
			ANIMAL PUT IN PLASTIC CAGE	587
			SKIN & PELAGE	
			BROWN HAIR COAT	
			VENTRAL-ABDOMINAL	575, 580, 582, 587, 589
			SORE/SCAB	
			PAW-HIND-LEFT	575, 580, 582, 587, 589
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92235	M	97	APPEARANCE	
			MALOCCLUSION	281, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498 505, 512, 519, 526, 533, 540, 568, 575, 582, 589, 659, 666, 673 677
			SWOLLEN	
			NOSE	677
			RESPIRATION	
			AUDIBLE	677
			LABORED	677
			SKIN & PELAGE	
			BROWN HAIR COAT	
			PERINEAL AREA	677
			RED SKIN	
			TAIL	323
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 288, 295 302, 309, 316, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393 400, 407, 414, 547, 554, 561, 603, 610, 617, 624, 631, 638, 645 652

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92236	D	90	APPEARANCE	
			THIN	622, 624
			EXCRETION	
			FEW FECES	622, 624
			EYES	
			PALE	
			EYES	622, 624
			RESPIRATION	
			IRREGULAR	622, 624
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617
C92237	M	101	APPEARANCE	
			THIN	701, 706
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	701, 706
			RECUMBENT	
			LATERAL	706

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	CODE	DEATH WK OF DEATH	CATEGORY KEYWORD QUALIFIER (GROUP: M8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92237	M	101	DISCHARGE	
			NASAL	
			RED IN COLOR	701, 706
			EXCRETION	
			NO FECES	706
			NONFORMED FECES	624
			EYES	
			RED DISCHARGE	
			EYES	701, 706
			SQUINTED	
			PERI-ORBITAL	701, 706
			RESPIRATION	
			LABORED	706
			SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-LEFT	512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687 694, 701, 706
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92238	3	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 367
C92239	T	105	APPEARANCE	
			HEAD TILT	
			RIGHT	729-730
			THIN	729-730
			EXCRETION	
			FEW FECES	701, 708, 715, 722, 729-730
			NONFORMED FECES	134
			EYES	
			SQUINTED	
			PERI-ORBITAL	729-730
			SKIN & PELAGE	
			BROWN HAIR COAT	
			VENTRAL-ABDOMINAL	701, 708, 715, 722, 729-730
			SORE/SCAB	
			PAW-HIND-LEFT	729-730
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92239	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659 666, 673, 680, 687, 694
C92240	D	83	SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-RIGHT	533, 540, 547, 554, 561, 568, 575, 578
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 498, 505, 512, 519, 526
			WART LIKE LESION(S)	
			HEAD-MAXILLARY-RIGHT	
			WEEK 64	442, 449, 456, 463, 470, 477, 484, 491
C92241	M	93	APPEARANCE	
			HEAD TILT	
			LEFT	644-645
			EXCRETION	
			FEW FECES	644-645
			NONFORMED FECES	498, 505
			EYES	
			RED DISCHARGE	
			EYE-LEFT	644-645

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92241	M	93	SKIN & PELAGE	
			ROUGH HAIR COAT	644-645
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575 582, 589, 596, 603, 610, 617, 624, 631, 638
C92242	M	67	APPEARANCE	
			HUNCHED	465
			THIN	465
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	465
			EXCRETION	
			NO FECES	465
			EYES	
			SQUINTED	
			PERI-ORBITAL	465
			PERI-ORBITAL-LEFT	465
			RESPIRATION	
			IRREGULAR	465

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92242	M	67	SKIN & PELAGE	
			BROWN HAIR COAT	
			PERINEAL AREA	465
			RED HAIR COAT	
			HEAD-ENTIRE	211, 218, 225
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400 407, 414, 421, 428, 435, 442, 449, 456, 463
C92243	M	70	APPEARANCE	
			HUNCHED	485
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	485
			RESPIRATION	
			LABORED	485
			SKIN & PELAGE	
			PALE	
			ENTIRE BODY	485
			RED HAIR COAT	
			VENTRAL-ABDOMINAL	485
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92243	M	70	NORMAL	
			NO REMARKABLE OBSERVATIONS	204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484
C92244	D	65	SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-LEFT	379, 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 453
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372
C92245	M	68	APPEARANCE	
			MALOCCLUSION	365, 372, 379, 386, 393, 400, 414, 421, 428, 435, 441-442 448-449, 456, 463, 470, 472, 476
			THIN	470, 472, 476
			OTHER	470C
			EXCRETION	
			FEW FECES	441-442, 448-449, 456, 463, 470, 472, 476
			NONFORMED FECES	295, 441-442, 448
			EYES	
			PALE	
			EYES	470

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92245	M	68	SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	449
			YELLOW HAIR COAT	472, 476
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 302, 309, 316, 323, 330, 337, 344, 351, 358, 407
C92246	3	53	EXCRETION	
			NONFORMED FECES	134, 176, 183, 344
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 141, 148, 155, 162, 169, 190, 197, 204, 211, 218 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309 316, 323, 330, 337, 351, 358, 365, 367
C92247	3	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 367

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92248	M	69	APPEARANCE	
			THIN	449, 456, 463, 470, 472, 477
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	477
			EXCRETION	
			FEW FECES	470, 472, 477
			EYES	
			SQUINTED	
			PERI-ORBITAL	470, 472, 477
			SKIN & PELAGE	
			ROUGH HAIR COAT	449, 456, 463, 470, 472, 477
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442
C92249	D	72	EXCRETION	
			NONFORMED FECES	295
			SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-LEFT	379, 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463 470, 477, 484, 491, 498-499

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER	GROUP: M8 DOSE: 0 PPM DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92249	D	72	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372
C92250	M	91	BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	637
			EYES	
			RED DISCHARGE	
			EYES	637
			SKIN & PELAGE	
			SORE/SCAB	
			DORSAL-CERVICAL	29, 36, 43, 50, 57, 64, 71, 78, 85
			PAW-HIND-RIGHT	624, 631, 637
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 92, 99, 106, 113, 120, 127, 134, 141, 148, 155 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232, 239, 246 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323, 330, 337 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512, 519 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610 617

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92251	M	84	RESPIRATION	
			IRREGULAR	582
			SKIN & PELAGE	
			SORE/SCAB	
			LATERAL-ABDOMINAL-RIGHT	576, 582
			PAW-HIND-LEFT	449, 456, 463, 470, 477, 484, 491, 498, 505, 512, 519, 526, 533 540, 547, 554, 561, 568
			YELLOW HAIR COAT	582
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442
			MASS(ES)	
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 78	540C, 547C, 554C, 561C, 568C, 575-576C, 582C
C92252	T	105	APPEARANCE	
			PROTRUDING PENIS	708, 715, 722
			THIN	729-730
			EXCRETION	
			NONFORMED FECES	708, 715, 722
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92252	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701
C92253	3	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 367
C92254	M	87	APPEARANCE	
			THIN	582-583, 587, 589, 596, 603
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	589
			DISCHARGE	
			GENITAL	
			RED IN COLOR	386
			NASAL	
			RED IN COLOR	589, 596, 603
			EXCRETION	
			FEW FECES	582, 603
			NO FECES	583, 587, 589, 596

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92254	M	87	EYES	
			RED DISCHARGE	
			EYES	583, 587, 589, 596, 603
			HOUSING,FOOD,WATER & MAINT.	
			ANIMAL PUT IN PLASTIC CAGE	587
			SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-RIGHT	533, 540, 547, 554, 561, 568, 575, 582-583, 587, 589, 596, 603
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505, 512, 519, 526
C92255	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C92256	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER	GROUP: M8 DOSE: 0 PPM DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92257	2	14	APPEARANCE MALOCCLUSION	71, 78, 85, 92-93
			NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64
C92258	2	14	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C92259	1	4	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22-23
C92260	2	14	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92191	M8	442	64	MASS(ES)	30 X 20MM
		TO 449	65	INGUINAL REGION-LEFT	
				WEEK 64	
		456	66	MASS(ES)	30 X 30MM
				INGUINAL REGION-LEFT	
				WEEK 64	
		463	67	MASS(ES)	40 X 35MM
		TO 505	73	INGUINAL REGION-LEFT	
				WEEK 64	
		512	74	MASS(ES)	50 X 55MM
				INGUINAL REGION-LEFT	
				WEEK 64	
		519	75	MASS(ES)	60 X 55MM
		TO 533	77	INGUINAL REGION-LEFT	
				WEEK 64	
		540	78	MASS(ES)	70 X 55MM
		TO 554	80	INGUINAL REGION-LEFT	
				WEEK 64	
		561	81	MASS(ES)	70 X 60MM
				INGUINAL REGION-LEFT	
				WEEK 64	
		568	82	MASS(ES)	75 X 65MM
		TO 582	84	INGUINAL REGION-LEFT	
				WEEK 64	

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92191	M8	589	85	MASS(ES)	75 X 70MM
		TO 596	86	INGUINAL REGION-LEFT	
				WEEK 64	
		603	87	MASS(ES)	75 X 75MM
				INGUINAL REGION-LEFT	
				WEEK 64	
		610	88	MASS(ES)	75 X 90MM
		TO 617	89	INGUINAL REGION-LEFT	
				WEEK 64	
		624	90	MASS(ES)	80 X 90MM
		TO 638	92	INGUINAL REGION-LEFT	
				WEEK 64	
		645	93	MASS(ES)	90 X 90MM
		TO 659	95	INGUINAL REGION-LEFT	
				WEEK 64	
		666	96	MASS(ES)	100 X 90MM
				INGUINAL REGION-LEFT	
				WEEK 64	
		673	97	MASS(ES)	110 X 90MM
		TO 694	100	INGUINAL REGION-LEFT	
				WEEK 64	
		701	101	MASS(ES)	130 X 100MM
				INGUINAL REGION-LEFT	
				WEEK 64	

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92191	M8	708	102	MASS(ES) INGUINAL REGION-LEFT WEEK 64	50 X 50MM
		715 TO 722	103 TO 104	MASS(ES) INGUINAL REGION-LEFT WEEK 64	135 X 100MM
C92202	M8	592	85	DISCHARGE OTHER	RED DISCHARGE
C92217	M8	225 TO 246	33 TO 36	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 33	15 X 15MM
		435	63	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 63	10 X 10MM
		442 TO 456	64 TO 66	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 63	50 X 40MM
		463 TO 491	67 TO 71	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 63	60 X 60MM
		498 TO 505	72 TO 73	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 63	70 X 70MM

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92217	M8	512	74	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 63	80 X 80MM
		519 TO 533	75 77	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 63	120 X 100MM
		540 TO 547	78 79	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 63	140 X 100MM
C92219	M8	607 TO 607	87 87	BEHAVIOR OTHER	ANIMAL IS CHEWING ON DISTAL PORTION OF TAIL
C92222	M8	729 TO 730	105 105	MASS(ES) DORSAL WEEK 95	15 X 10MM ANTERIOR 10 X 10MM POSTERIOR
		519	75	MASS(ES) VENTRAL-ABDOMINAL WEEK 75	20 X 20MM
C92223	M8	274 TO 288	40 42	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 40	15 X 15MM
		211 TO 218	31 32	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 28	15 X 15MM

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92224	M8	218	32	MASS(ES)	10 X 10MM
	TO	246	36	VENTRAL-ABDOMINAL WEEK 32	
C92245	M8	470	68	APPEARANCE OTHER	EXCESSIVE BLEEDING FROM PAWS, CAUTERIZED WITH SILVER NITRATE
C92251	M8	540	78	MASS(ES)	35 X 35MM
	TO	547	79	VENTRAL-ABDOMINAL-RIGHT WEEK 78	
		554	80	MASS(ES)	40 X 35MM
				VENTRAL-ABDOMINAL-RIGHT WEEK 78	
		561	81	MASS(ES)	80 X 60MM
	TO	582	84	VENTRAL-ABDOMINAL-RIGHT WEEK 78	

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92261	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 540, 547, 554, 561, 568, 575 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666 673, 680, 687, 694, 701, 708, 715, 722, 729-730
			MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 76	526, 533
C92262	M	104	APPEARANCE	
			THIN	659, 666, 673, 680, 687, 694, 701, 708, 715, 722
			SKIN & PELAGE	
			ALOPECIA	708, 715, 722
			PALE	
			ENTIRE BODY	708, 715, 722
			SORE/SCAB	
			DORSAL	638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715, 722
			HEAD-ENTIRE	645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715, 722
			VENTRAL-CERVICAL-RIGHT	610, 617, 624, 631
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92262	M	104	NORMAL	
			NO REMARKABLE OBSERVATIONS	477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603
C92263	T	105	APPEARANCE	
			MALOCCLUSION	337, 344, 351, 358, 365, 372, 638, 645, 652, 659, 666, 673
			DISCHARGE	
			GENITAL	
			RED IN COLOR	701
			EXCRETION	
			NONFORMED FECES	722, 729-730
			SKIN & PELAGE	
			RED HAIR COAT	
			DORSAL	694, 701, 708, 715, 722
			SORE/SCAB	
			PAW-HIND-LEFT	547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631 708, 715, 722
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 379, 386, 393, 400, 407, 414, 421 428, 435
			WART LIKE LESION(S)	
			TAIL-PROXIMAL	
			WEEK 64	442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512, 519, 526 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92263	T	105	WART LIKE LESION(S)	
			TAIL-PROXIMAL	
			WEEK 64	624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708 715, 722, 729-730
C92264	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22-23
C92265	D	80	APPEARANCE	
			CONVULSIONS	540
			MALOCCLUSION	57, 64, 71, 78, 85, 92, 99, 106, 113, 120, 127, 134, 141, 148 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232, 239 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323, 330 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512 519, 526, 533, 540, 547, 554
			MISSING	
			TEETH	365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442, 449 456, 463, 470, 477, 484, 491, 498, 505, 512, 519, 526, 533, 540 547, 554
			DISCHARGE	
			CLEAR ORAL	
			<UNSPECIFIED>	540
			MODERATE	253, 260
			EXCRETION	
			NONFORMED FECES	134, 204, 498, 505
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92266	T	105	DISCHARGE	
			GENITAL	
			RED IN COLOR	141
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 148, 155, 162, 169, 176, 183, 190, 197, 204 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 519
			WART LIKE LESION(S)	
			DORSAL	
			WEEK 62	428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512
			WEEK 76	526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701 708, 715, 722, 729-730
			VENTRAL-ABDOMINAL	
			WEEK 92	638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715, 722 729-730
C92267	3	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 367

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92268	M	100	APPEARANCE	
			OBESE	519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603 610, 617, 624, 631
			THIN	694
			EXCRETION	
			NONFORMED FECES	204
			SKIN & PELAGE	
			SORE/SCAB	
			DORSAL-THORACIC-LEFT	638, 645, 652, 659
			SCROTUM-RIGHT	666, 673, 680, 687, 694
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491
			MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 72	498, 505, 512

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92269	D	73	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505-506
C92270	T	105	EXCRETION	
			NONFORMED FECES	624, 631
			SKIN & PELAGE	
			BLACK SKIN	
			VENTRAL-ABDOMINAL	694
			SORE/SCAB	
			VENTRAL-ABDOMINAL	295, 302, 442, 449, 701
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 309, 316, 323 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414 421, 428, 435, 456, 463, 470, 477, 484, 491, 498, 505, 512, 519 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610 617, 638, 645, 652, 659, 666, 673, 680, 687, 708, 715, 722 729-730
			MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 40	274C, 281C, 288C

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92271	D	90	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617
			MASS(ES)	
			DORSAL	
			WEEK 90	624-625C
C92272	M	85	SKIN & PELAGE	
			SORE/SCAB	
			HEAD-MAXILLARY-RIGHT	519, 526, 533, 540, 547, 554, 561, 568, 575, 582-583, 589-590
			PAW-HIND-RIGHT	582-583, 589-590
			PAWS-HIND	568, 575
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505
			MASS(ES)	
			HEAD-MAXILLARY-RIGHT	
			WEEK 74	512, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C 582-583C, 589-590C

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92273	D	42	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 294
C92274	3	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 367
C92275	M	104	APPEARANCE	
			THIN	701, 708, 715, 722
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	722
			EYES	
			SQUINTED	
			PERI-ORBITAL	722
			SKIN & PELAGE	
			PALE	
			ENTIRE BODY	701, 708, 715, 722
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92275	M	104	NORMAL	
			NO REMARKABLE OBSERVATIONS	386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 582, 589, 596, 603 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 694
			MASS(ES)	
			INGUINAL REGION-LEFT	
			WEEK 78	540C, 547C, 554C, 561C, 568C, 575C
C92276	D	73	APPEARANCE	
			THIN	498, 505, 510
			SKIN & PELAGE	
			RED HAIR COAT	
			DORSAL-CERVICAL-RIGHT	505, 510
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491
C92277	M	60	BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	415
			RECUMBENT	
			STERNAL	415
			EXCRETION	
			NO FECES	414-415

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92277	M	60	SKIN & PELAGE	
			BROWN HAIR COAT	
			VENTRAL-ABDOMINAL	414-415
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407
C92278	T	105	EXCRETION	
			NONFORMED FECES	288, 295, 463, 470, 582, 589, 596, 603, 610, 617, 624, 631, 638 645, 652, 659, 666, 673, 680, 687, 694, 722, 729-730
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 302 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393 400, 407, 414, 421, 428, 435, 442, 449, 456, 477, 484, 491, 498 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 701, 708 715
C92279	M	89	APPEARANCE	
			HEAD TILT	
			RIGHT	614, 617
			HUNCHED	614, 617
			SWOLLEN	
			PAW-HIND-RIGHT	568, 575, 582, 589, 596, 603

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92279	M	89	BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	610, 614, 617
			DISCHARGE	
			GENITAL	
			RED IN COLOR	316, 603, 614
			EXCRETION	
			FEW FECES	610, 614, 617
			EYES	
			RED DISCHARGE	
			EYE-LEFT	155
			SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL-LEFT	337, 344, 351
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 162, 169, 176, 183, 190, 197, 204 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295 302, 309, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512, 519 526, 533, 540, 547, 554, 561
			MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 46	316C, 323C, 330C

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92280	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22-23
C92281	T	105	EXCRETION	
			NONFORMED FECES	652
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589 596, 603, 610, 617, 624, 631, 638, 645, 659, 666, 673, 680, 687 694, 701, 708, 715, 722, 729-730
			MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 45	309C, 316C, 323C, 330C
C92282	T	105	EXCRETION	
			NONFORMED FECES	288, 295, 463, 470, 729-730
			SKIN & PELAGE	
			YELLOW HAIR COAT	582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666 673, 680, 687, 694, 701, 708, 715, 722, 729-730
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 302 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92282	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	400, 407, 414, 421, 428, 435, 442, 449, 456, 477, 484, 491, 498 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575
			WART LIKE LESION(S)	
			LIMB-FRONT-RIGHT	
			WEEK 105	729-730
C92283	T	105	EXCRETION	
			NONFORMED FECES	638
			SKIN & PELAGE	
			BLUE SKIN	
			VENTRAL-ABDOMINAL-LEFT	694
			RED HAIR COAT	
			DORSAL-CERVICAL	442, 449, 456, 463
			SORE/SCAB	
			VENTRAL-ABDOMINAL	701, 708
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 470, 477, 484, 491, 498 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589 596, 603, 610, 617, 624, 631, 645, 652, 659, 666, 673, 680, 687
			WART LIKE LESION(S)	
			TAIL-MID	
			WEEK 101	701, 708, 715, 722, 729-730

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92284	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22-23
C92285	M	76	BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	519, 526-527
			EXCRETION	
			FEW FECES	526-527
			SKIN & PELAGE	
			ROUGH HAIR COAT	519, 526-527
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512
C92286	3	53	SKIN & PELAGE	
			SORE/SCAB	
			MOUTH	8, 15, 22
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113, 120 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302 309, 316, 323, 330, 337, 344, 351, 358, 365, 367

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92287	3	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 367
C92288	3	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 367
C92289	T	105	APPEARANCE	
			MALOCCLUSION	64
			THIN	701, 708, 715, 722, 729-730
			SKIN & PELAGE	
			BROWN HAIR COAT	
			PERINEAL AREA	638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715, 722 729-730
			VENTRAL-ABDOMINAL	386, 393
			SORE/SCAB	
			DORSAL	484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568 575, 582, 589, 596, 603, 610, 617
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 71, 78, 85, 92, 99, 106, 113 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 400 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 624, 631

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92289	T	105	MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 79	547, 554, 561, 568, 575, 582, 589, 596, 603
C92290	M	63	APPEARANCE	
			HUNCHED	421, 428, 431, 435, 438
			THIN	421, 428, 431, 435, 438
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	438
			HYPOACTIVE	
			<UNSPECIFIED>	438
			EXCRETION	
			FEW FECES	414, 421, 428, 431, 435
			NO FECES	438
			RESPIRATION	
			IRREGULAR	438
			SKIN & PELAGE	
			ROUGH HAIR COAT	428, 431, 435, 438
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92291	D	97	EXCRETION	
			NONFORMED FECES	302, 309
			EYES	
			RED DISCHARGE	
			EYE-LEFT	442
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393 400, 407, 414, 421, 428, 435, 449, 456, 463, 470, 477, 484, 491 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673
C92292	M	67	APPEARANCE	
			HUNCHED	442, 449, 456, 462-463
			THIN	421, 428, 435, 442, 449, 456, 462-463
			BEHAVIOR	
			SENSITIVE TO TOUCH	462-463
			EXCRETION	
			FEW FECES	462-463
			EYES	
			SQUINTED	
			PERI-ORBITAL	462-463
			RESPIRATION	
			IRREGULAR	462-463

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92292	M	67	SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-RIGHT	442, 449, 456, 462-463
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414
C92293	D	42	EXCRETION	
			NONFORMED FECES	260
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 267, 274, 281, 288
C92294	M	97	APPEARANCE	
			THIN	638, 645, 652, 659, 666, 668, 673
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	673
			COLD TO TOUCH	
			ENTIRE BODY	673
			EXCRETION	
			NO FECES	668, 673

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92294	M	97	SKIN & PELAGE	
			PALE	
			ENTIRE BODY	666, 668, 673
			SORE/SCAB	
			PAW-HIND-LEFT	568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 668, 673
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561
C92295	T	105	EYES	
			OPAQUE	
			EYES	659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729-730
			PALE	
			EYE-RIGHT	638, 645, 652
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92296	M	75	APPEARANCE	
			THIN	519, 525
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	525
			EXCRETION	
			FEW FECES	519
			NO FECES	525
			EYES	
			RED DISCHARGE	
			EYES	525
			SKIN & PELAGE	
			BROWN HAIR COAT	
			VENTRAL-ABDOMINAL	519, 525
			SORE/SCAB	
			VENTRAL-THORACIC	498, 505
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 463, 470, 477, 484, 491, 512
			WART LIKE LESION(S)	
			VENTRAL-ABDOMINAL	
			WEEK 58	400, 407, 414, 421, 428, 435, 442, 449, 456

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92297	T	105	EYES	
			SCAB	
			EYE-LEFT	701, 708
			SQUINTED	
			PERI-ORBITAL	638, 645, 652
			SKIN & PELAGE	
			SORE/SCAB	
			LIMB-HIND-LEFT	715, 722, 729-730
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 659, 666, 673 680, 687, 694
C92298	M	68	APPEARANCE	
			HUNCHED	449, 456, 462-463, 470
			MALOCCLUSION	442, 449, 456, 462-463, 470
			THIN	449, 456, 462-463, 470
			BEHAVIOR	
			SENSITIVE TO TOUCH	462-463
			EXCRETION	
			FEW FECES	442, 449, 456
			NO FECES	462-463, 470

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92298	M	68	SKIN & PELAGE	
			YELLOW HAIR COAT	470
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435
C92299	T	105	SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-LEFT	694, 697, 701, 708
			PAW-HIND-RIGHT	694, 697, 701, 708
			PAWS-HIND	715, 722, 729-730
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92300	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22-23
C92301	D	87	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 605
C92302	M	96	BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	668
			RECUMBENT	
			STERNAL	668
			DISCHARGE	
			NASAL	
			RED IN COLOR	666, 668
			EXCRETION	
			FEW FECES	666
			NO FECES	668
			EYES	
			SQUINTED	
			PERI-ORBITAL	668
			RESPIRATION	
			LABORED	668

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER (GROUP: M9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92302	M	96	SKIN & PELAGE	
			BROWN HAIR COAT	
			PERINEAL AREA	666, 668
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 547, 554, 561, 568, 575, 582 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659
			MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 76	526, 533, 540
C92303	3	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 367
C92304	M	96	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92304	M	96	MASS(ES)	
			HEAD-MAXILLARY-LEFT	
			WEEK 93	645C, 652C, 659C, 666C
C92305	M	63	APPEARANCE	
			HUNCHED	438
			THIN	421, 438
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	438
			HYPOACTIVE	
			<UNSPECIFIED>	438
			EXCRETION	
			FEW FECES	438
			NO FECES	106
			RESPIRATION	
			LABORED	438
			SKIN & PELAGE	
			SORE/SCAB	
			DORSAL-CERVICAL	414, 421, 428, 435, 438
			HEAD-ENTIRE	428, 435, 438
			VENTRAL-CERVICAL	400, 407, 414, 421, 428, 435, 438
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 113 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92305	M	63	NORMAL	
			NO REMARKABLE OBSERVATIONS	393
C92306	D	104	EXCRETION	
			NONFORMED FECES	638, 645, 652
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 659, 666, 673 680, 687, 694, 701, 708, 715, 722
C92307	M	101	APPEARANCE	
			THIN	638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 706-707
			BEHAVIOR	
			AGGRESSIVE	
			<UNSPECIFIED>	197, 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281 288, 295, 302, 309, 316, 323, 330
			MODERATE	141, 148, 155, 162, 169, 176, 183, 190
			SENSITIVE TO TOUCH	134
			RESPIRATION	
			AUDIBLE	701, 706-707
			IRREGULAR	701, 706-707
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92307	M	101	NORMAL	
			NO REMARKABLE OBSERVATIONS	113, 120, 127, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400
			MASS(ES)	
			HEAD-MAXILLARY-LEFT	
			WEEK 100	694, 701, 706-707
			WART LIKE LESION(S)	
			DORSAL	
			WEEK 59	407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673 680, 687, 694, 701, 706-707
			MOUTH	
			WEEK 100	694
			NOSE	
			WEEK 100	694, 701, 706-707
C92308	T	105	APPEARANCE	
			PARALYSIS	
			LIMB-FRONT-LEFT	50
			THIN	729-730
			SKIN & PELAGE	
			SORE/SCAB	
			DORSAL-CERVICAL	29, 36, 43
			YELLOW HAIR COAT	155
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 57, 64, 71, 78, 85, 92, 99, 106, 113, 120, 127 134, 141, 148, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER (GROUP: M9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92308	T	105	NORMAL NO REMARKABLE OBSERVATIONS	323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680 687, 694, 701, 708, 715, 722
C92309	T	105	APPEARANCE THIN	729-730
			NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722
C92310	D	73	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 507

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92311	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729-730
C92312	M	65	APPEARANCE	
			HUNCHED	316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400 407, 414, 421, 428, 431, 435, 442, 449
			MALOCCLUSION	407, 414, 421, 428, 431, 435, 442, 449
			PROTRUDING PENIS	431
			THIN	302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 431, 435, 442, 449
			EXCRETION	
			FEW FECES	449
			EYES	
			RED DISCHARGE	
			EYE-LEFT	246, 253
			EYE-RIGHT	267, 274, 281, 288, 295, 302, 309, 344, 351, 358, 365, 372, 379 386, 393, 400
			EYES	316, 323, 330, 337
			SKIN & PELAGE	
			ROUGH HAIR COAT	414, 421, 428, 431, 435, 442, 449
			SORE/SCAB	
			PAW-HIND-LEFT	379, 386, 393, 400, 407, 414, 421, 428, 431, 435, 442, 449

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER	GROUP: M9 DOSE: 1 PPM DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92312	M	65	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 260
C92313	D	97	EXCRETION	
			NONFORMED FECES	204, 211, 512, 547, 554, 561
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484 491
			MASS(ES)	
			DORSAL	
			WEEK 72	575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C 652C, 659C, 666C, 673-674C
			WART LIKE LESION(S)	
			DORSAL	
			WEEK 72	498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92314	M	93	APPEARANCE	
			MALOCCLUSION	643, 645, 649
			THIN	638, 643, 645, 649
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	649
			EXCRETION	
			FEW FECES	638, 643, 645, 649
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	643, 645, 649
			SORE/SCAB	
			DORSAL	575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 643, 645, 649
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92315	3	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 367
C92316	M	101	APPEARANCE	
			HUNCHED	701-702
			EYES	
			PALE	
			EYES	694, 701-702
			SKIN & PELAGE	
			PALE	
			ENTIRE BODY	610, 702
			SORE/SCAB	
			VENTRAL-ABDOMINAL-RIGHT	337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 694 701-702
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323
			MASS(ES)	
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 48	330, 337, 344, 351, 358, 365, 372, 379

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92316	M	101	MASS(ES)	
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 84	582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C 659C, 666C, 673C, 680C, 687C, 694C, 701-702C
			WART LIKE LESION(S)	
			DORSAL	
			WEEK 82	568
C92317	3	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 367
C92318	T	105	EXCRETION	
			NONFORMED FECES	498, 505, 722, 729-730
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666 673, 680, 687, 694, 701, 708, 715

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92319	T	105	APPEARANCE	
			MALOCCLUSION	113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729-730
			EXCRETION	
			FEW FECES	414, 421, 428, 435, 442, 449, 456, 463
			NONFORMED FECES	498, 505
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106
			MASS(ES)	
			VENTRAL-THORACIC-RIGHT	
			WEEK 82	575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659 666, 673, 680, 687, 694, 701, 708, 715, 722, 729-730C
			WART LIKE LESION(S)	
			VENTRAL-THORACIC-RIGHT	
			WEEK 82	568

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92320	3	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 367
C92321	T	105	SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL	729-730
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715
			MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 105	722C
C92322	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92322	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	715, 722, 729-730
			MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 84	582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C
C92323	T	105	APPEARANCE	
			LIMITED USE	
			LIMB-HIND-LEFT	724, 729-730
			THIN	724
			SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL	575
			VENTRAL-THORACIC-RIGHT	708, 715
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 722
			MASS(ES)	
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 76	526, 533, 540, 547, 554, 561, 568
			WEEK 84	582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C 659C, 666C, 673C, 680C, 687C, 694C

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92323	T	105	WART LIKE LESION(S)	
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 82	568
			VENTRAL-THORACIC-RIGHT	
			WEEK 101	701
C92324	3	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 367
C92325	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C92326	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C92327	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C92328	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C92329	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22-23

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER	GROUP: M9 DOSE: 1 PPM DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92330	2	14	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92270	M9	274	40	MASS(ES)	20 X 30MM
	TO	288	42	VENTRAL-ABDOMINAL WEEK 40	
C92271	M9	624	90	MASS(ES)	10 X 10MM
	TO	625	90	DORSAL WEEK 90	
C92272	M9	519	75	MASS(ES) HEAD-MAXILLARY-RIGHT WEEK 74	10 X 10MM
		526	76	MASS(ES)	20 X 15MM
	TO	561	81	HEAD-MAXILLARY-RIGHT WEEK 74	
		568	82	MASS(ES)	30 X 30MM
	TO	575	83	HEAD-MAXILLARY-RIGHT WEEK 74	
		582	84	MASS(ES)	30 X 40MM
	TO	590	85	HEAD-MAXILLARY-RIGHT WEEK 74	
C92275	M9	540	78	MASS(ES)	10 X 10MM
	TO	575	83	INGUINAL REGION-LEFT WEEK 78	
C92279	M9	316	46	MASS(ES)	10 X 10MM
	TO	330	48	VENTRAL-ABDOMINAL-LEFT WEEK 46	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92281	M9	309	45	MASS(ES)	10 X 10MM
	TO	330	48	VENTRAL-ABDOMINAL	
				WEEK 45	
C92304	M9	645	93	MASS(ES)	20 X 30MM
				HEAD-MAXILLARY-LEFT	
				WEEK 93	
		652	94	MASS(ES)	30 X 30MM
	TO	659	95	HEAD-MAXILLARY-LEFT	
				WEEK 93	
		666	96	MASS(ES)	35 X 30MM
	TO	666	96	HEAD-MAXILLARY-LEFT	
				WEEK 93	
		666	96	MASS(ES)	30 X 30MM
				HEAD-MAXILLARY-LEFT	
				WEEK 93	
C92313	M9	575	83	MASS(ES)	20 X 20MM
				DORSAL	
				WEEK 72	
		582	84	MASS(ES)	30 X 20MM
	TO	631	91	DORSAL	
				WEEK 72	
		638	92	MASS(ES)	40 X 30MM
	TO	659	95	DORSAL	
				WEEK 72	

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92313	M9	666	96	MASS(ES)	35 X 40MM
	TO	674	97	DORSAL	
				WEEK 72	
C92316	M9	582	84	MASS(ES)	20 X 20MM
	TO	617	89	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 84	
		624	90	MASS(ES)	25 X 25MM
	TO	659	95	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 84	
		666	96	MASS(ES)	30 X 30MM
				VENTRAL-ABDOMINAL-RIGHT	
				WEEK 84	
		673	97	MASS(ES)	30 X 40MM
	TO	702	101	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 84	
C92319	M9	729	105	MASS(ES)	10 X 10MM
	TO	730	105	VENTRAL-THORACIC-RIGHT	
				WEEK 82	
C92321	M9	722	104	MASS(ES)	10 X 10MM
				VENTRAL-ABDOMINAL	
				WEEK 105	
C92322	M9	582	84	MASS(ES)	15 X 20MM
	TO	631	91	VENTRAL-ABDOMINAL	
				WEEK 84	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92323	M9	582	84	MASS(ES)	10 X 10MM
	TO	694	100	VENTRAL-ABDOMINAL-RIGHT WEEK 84	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92331	M	92	APPEARANCE	
			HUNCHED	638, 641
			THIN	638, 641
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	641
			COLD TO TOUCH	
			ENTIRE BODY	641
			EXCRETION	
			FEW FECES	638
			NO FECES	641
			EYES	
			SQUINTED	
			PERI-ORBITAL	641
			RESPIRATION	
			IRREGULAR	638, 641
			SKIN & PELAGE	
			YELLOW HAIR COAT	638, 641
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 42	288C, 295C, 302C, 309C, 316C, 323C, 330C, 337C, 344C, 351C, 358C

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER	GROUP: F8 DOSE: 0 PPM DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92331	M	92	MASS(ES) AXILLARY REGION-RIGHT WEEK 42	365C, 372C, 379C, 386C, 393C, 400C, 407C, 414C, 421C, 428C, 435C 442C, 449C, 456C, 463C, 470C, 477C, 484C, 491C, 498C, 505C, 512C 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C 596C, 603C, 610C, 617C, 624C, 631C, 638C, 641C
C92332	1	4	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22-23
C92333	T	105	SKIN & PELAGE SORE/SCAB VENTRAL-ABDOMINAL-RIGHT	393, 400
			NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673 680, 687, 694, 701, 708, 715, 722, 729-730
			MASS(ES) INGUINAL REGION-RIGHT WEEK 56	386, 393, 400

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92334	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729-730
C92335	M	8	APPEARANCE	
			SWOLLEN	
			MOUTH	54
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C92336	M	82	SKIN & PELAGE	
			SORE/SCAB	
			AXILLARY REGION-LEFT	554, 561, 568, 570
			AXILLARY REGION-RIGHT	568, 570
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 59	407C, 414C, 421C, 428C, 435C, 442C, 449C, 456C, 463C, 470C, 477C

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92336	M	82	MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 59	484C, 491C, 498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C 561C, 568C, 570C
			AXILLARY REGION-RIGHT	
			WEEK 75	519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 570C
C92337	M	82	APPEARANCE	
			HEAD TILT	
			LEFT	569
			DISCHARGE	
			OTHER	274C
			EYES	
			RED DISCHARGE	
			EYE-LEFT	554, 561, 568-569
			EYE-RIGHT	512, 519
			SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL-RIGHT	519
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 281, 288, 295 302, 309, 316, 323, 330, 337
			MASS(ES)	
			INGUINAL REGION-RIGHT	
			WEEK 76	526, 533, 540, 547, 554, 561, 568-569

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92337	M	82	MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 50	344C, 351C, 358C, 365C, 372C, 379C, 386C, 393C, 400C, 407C, 414C 421C, 428C, 435C, 442C, 449C, 456C, 463C, 470C, 477C, 484C, 491C 498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C 568-569C
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 73	505C, 512C
C92338	M	70	BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	484
			HYPOACTIVE	
			<UNSPECIFIED>	484
			EXCRETION	
			FEW FECES	483-484
			SKIN & PELAGE	
			ALOPECIA	344
			RED HAIR COAT	
			VENTRAL-ABDOMINAL	483-484
			VENTRAL-CERVICAL	483-484
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92339	D	94	EYES	
			RED DISCHARGE	
			EYE-RIGHT	260, 267, 274, 379, 386, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 365, 372, 393, 400, 407 414
			MASS(ES)	
			SHOULDER-LEFT	
			WEEK 38	260C, 267C, 274C, 281C, 288C, 295C, 302C, 309C, 316C, 323C, 330C 337C, 344C, 351C, 358C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 66	456, 463, 470C, 477C, 484C, 491C, 498C, 505C, 512C, 519C, 526C 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C, 596C, 603C 610C, 617C, 624C, 631C, 638C, 645C, 652C
C92340	M	79	SKIN & PELAGE	
			BLACK SKIN	
			VENTRAL-ABDOMINAL	512, 519, 526, 533, 540, 547-548
			VENTRAL-THORACIC-LEFT	512, 519, 526, 533, 540, 547-548
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92340	M	79	MASS(ES)	
			INGUINAL REGION-LEFT	
			WEEK 79	547-548C
			VENTRAL-ABDOMINAL	
			WEEK 74	512C, 519C, 526C, 533C, 540C, 547-548C
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 44	302, 309, 316, 323, 330, 337, 344C, 351C, 358C, 365C, 372C, 379C 386C, 393C, 400C, 407C, 414C, 421C, 428C, 435C, 442C, 449C, 456C 463C, 470C, 477C, 484C, 491C, 498C, 505C, 512C, 519C, 526C, 533C 540C, 547-548C
			VENTRAL-THORACIC-LEFT	
			WEEK 74	512C, 519C, 526C, 533C, 540C, 547-548C
C92341	3	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358
			MASS(ES)	
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 53	365C, 367C
C92342	M	50	APPEARANCE	
			MALOCCLUSION	120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295 302, 309, 316, 323, 330, 337, 344
			THIN	344
			DISCHARGE	
			NASAL	
			RED IN COLOR	120

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER	GROUP: F8 DOSE: 0 PPM DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92342	M	50	EXCRETION	
			FEW FECES	344
			EYES	
			RED DISCHARGE	
			EYE-LEFT	120, 127, 134, 141
			RESPIRATION	
			AUDIBLE	344
			SKIN & PELAGE	
			YELLOW HAIR COAT	120, 344
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 40	274, 281, 288, 295, 302, 309, 316, 323, 330, 337
C92343	M	58	SKIN & PELAGE	
			PALE	
			ENTIRE BODY	351, 358
			SORE/SCAB	
			SHOULDER-RIGHT	365, 372, 379, 386, 393, 400
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113, 120

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER	GROUP: F8 DOSE: 0 PPM DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92343	M	58	MASS(ES)	
			SHOULDER-RIGHT	
			WEEK 19	127C, 134C, 141C, 148C, 155C, 162C, 169C, 176C, 183C, 190C, 197C 204C, 211C, 218C, 225C, 232C, 239C, 246C, 253C, 260C, 267C, 274C 281C, 288C, 295C, 302C, 309C, 316C, 323C, 330C, 337C, 344C, 351C 358C, 365C, 372C, 379C, 386C, 393C, 400C
C92344	M	104	APPEARANCE	
			HUNCHED	721-722
			MALOCCLUSION	638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715 721-722
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	721-722
			EXCRETION	
			FEW FECES	582, 589, 596, 603
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 610, 617, 624, 631

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92345	D	30	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 206
C92346	M	63	APPEARANCE	
			HUNCHED	428, 435
			THIN	435
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	435
			EXCRETION	
			FEW FECES	393, 400, 407
			EYES	
			RED DISCHARGE	
			EYES	435
			SKIN & PELAGE	
			ROUGH HAIR COAT	428, 435
			YELLOW HAIR COAT	393, 400, 407
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92346	M	63	WART LIKE LESION(S)	
			NOSE	
			WEEK 46	316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400 407, 414, 421, 428, 435
C92347	M	48	APPEARANCE	
			THIN	330
			RESPIRATION	
			LABORED	330
			SKIN & PELAGE	
			YELLOW HAIR COAT	323, 330
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316
C92348	T	105	APPEARANCE	
			MALOCCLUSION	106, 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190 197, 204, 211, 218, 225, 232, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729-730
			EXCRETION	
			NONFORMED FECES	414

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92348	T	105	SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-RIGHT	701, 708, 715, 722, 729-730
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 239
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 101	701C, 708C, 715C, 722C, 729-730C
			VENTRAL-ABDOMINAL	
			WEEK 100	694C, 701C, 708C, 715C, 722C, 729-730C
C92349	D	78	APPEARANCE	
			MALOCCLUSION	512, 519, 526, 533, 540-541
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 407, 414, 421, 428, 435, 442 449, 456, 463, 470, 477, 484, 491, 498, 505
			MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 50	344C, 351C, 358C, 365C, 372C, 379C, 386C, 393C, 400C

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92350	M	94	APPEARANCE	
			HEAD TILT	
			RIGHT	656
			DISCHARGE	
			NASAL	
			RED IN COLOR	656
			OTHER	656C
			EYES	
			CLEAR DISCHARGE	
			EYE-LEFT	638, 645, 652
			RED DISCHARGE	
			EYES	655-656
			RESPIRATION	
			AUDIBLE	656
			LABORED	656
			SKIN & PELAGE	
			PALE	
			ENTIRE BODY	655-656
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92351	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729-730
C92352	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22-23
C92353	M	96	APPEARANCE	
			HEAD TILT	
			LEFT	666-667
			MALOCCLUSION	659
			BEHAVIOR	
			ATAXIC	
			MODERATE	666-667
			HYPOACTIVE	
			<UNSPECIFIED>	638, 645, 652, 658-659, 666-667
			DISCHARGE	
			NASAL	
			RED IN COLOR	658-659, 666-667
			EXCRETION	
			FEW FECES	638, 645, 652, 666-667
			NO FECES	658-659, 666

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92353	M	96	EYES	
			RED DISCHARGE	
			EYES	658
			SQUINTED	
			PERI-ORBITAL	658
			RESPIRATION	
			IRREGULAR	638
			LABORED	667
			SKIN & PELAGE	
			BROWN HAIR COAT	
			VENTRAL-ABDOMINAL	658-659, 666-667
			WARM TO TOUCH	
			ENTIRE BODY	667
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92354	T	105	APPEARANCE	
			HEAD TILT	
			LEFT	724, 729-730
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	724, 729-730
			EXCRETION	
			FEW FECES	724
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	701, 708, 715, 722, 724, 729-730
			SORE/SCAB	
			AXILLARY REGION-RIGHT	701, 708, 715, 722, 724, 729-730
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 83	575, 582, 589, 596, 603, 610C, 617C, 624C, 631C, 638C, 645C 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C 724C

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92355	1	4	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22-23
C92356	3	53	APPEARANCE MALOCCLUSION	57, 64, 71, 78, 85, 92, 99, 106, 113, 120, 127, 134, 141, 148 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232, 239 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323, 330 337, 344, 351, 358, 365, 367
			DISCHARGE NASAL RED IN COLOR	64
			NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C92357	3	53	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 367
C92358	T	105	SKIN & PELAGE RED HAIR COAT HEAD-ENTIRE	365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442, 449 456, 463, 470, 477, 484, 491, 498, 505, 512, 519, 526, 533, 540 547, 554, 561, 568, 575, 701, 708, 715, 722, 729-730
			NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92358	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	295, 302, 309, 316, 323, 330, 337, 344, 351, 358
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 84	582, 589, 596, 603, 610C, 617C, 624C, 631C, 638C, 645C, 652C 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C 729-730C
C92359	D	93	APPEARANCE	
			THIN	638, 644-645, 648
			EXCRETION	
			FEW FECES	638, 644-645, 648
			EYES	
			RED DISCHARGE	
			EYES	644-645, 648
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 92	638C, 644-645C, 648C
			AXILLARY REGION-RIGHT	
			WEEK 79	547C, 554C, 561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92359	D	93	MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 79	624C, 631C, 638C, 644-645C, 648C
			VENTRAL-ABDOMINAL	
			WEEK 80	554C, 561C, 568C, 575C
C92360	T	105	APPEARANCE	
			MALOCCLUSION	701
			SWOLLEN	
			HEAD-MAXILLARY-RIGHT	701
			SKIN & PELAGE	
			BLUE SKIN	
			VENTRAL-ABDOMINAL-LEFT	701, 708, 715, 722, 729-730
			BLACK SKIN	
			VENTRAL-ABDOMINAL	428, 435, 442, 449, 456
			SORE/SCAB	
			MOUTH	701, 708
			PAWS-HIND	701, 708, 715, 722, 729-730
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 77	533, 540, 547, 554, 561, 568, 575, 582C, 589C, 596C, 603C, 610C 617C, 624C, 631C
			WEEK 96	666, 673, 680, 687C, 694C, 701C, 708C, 715C, 722C, 729-730C

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD / QUALIFIER	GROUP: F8 DOSE: 0 PPM DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92360	T	105	MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 92	638C, 645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C 715C, 722C, 729-730C
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 61	421, 428, 435, 442, 449, 456, 463C, 470C, 477C, 484C, 491C, 498C 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C 729-730C
C92361	M	101	EYES	
			PALE	
			EYES	701-702
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 80	554, 561, 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C 631C, 638C, 645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C 701-702C
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 73	505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C 659C, 666C, 673C, 680C, 687C, 694C, 701-702C

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92362	T	105	SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-CRANIAL	701, 708
			SORE/SCAB	
			MOUTH	554, 561, 568, 575
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 519, 526, 533, 540, 547, 582, 589, 596, 603, 610, 617, 624, 631 638, 645, 652, 659, 666, 673, 680, 687, 694
			MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 69	477, 484, 491, 498, 505, 512
			WEEK 102	708C, 715C, 722C, 729-730C
C92363	M	83	APPEARANCE	
			MALOCCLUSION	260, 267, 274, 281, 344, 351, 358, 365, 372, 379, 386, 393, 400 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477
			SKIN & PELAGE	
			SORE/SCAB	
			HEAD-MAXILLARY-LEFT	344
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 288, 295, 302, 309, 316

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92363	M	83	NORMAL	
			NO REMARKABLE OBSERVATIONS	323, 330, 337, 484, 491, 498, 505, 512, 519
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 76	526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C
			WART LIKE LESION(S)	
			MOUTH	
			WEEK 54	372, 379, 386
C92364	M	63	APPEARANCE	
			HUNCHED	428, 431, 435, 438
			THIN	400, 407, 414, 421, 428, 431, 435, 438
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	428, 431, 435, 438
			CIRCLING	
			RIGHT	438
			EXCRETION	
			FEW FECES	414, 421
			EYES	
			RED DISCHARGE	
			EYE-LEFT	421, 428, 431, 435, 438
			SKIN & PELAGE	
			ROUGH HAIR COAT	428, 431, 435, 438

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER (GROUP: F8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92364	M	63	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 57	393, 400, 407, 414, 421
C92365	3	53	APPEARANCE	
			MALOCCLUSION	176, 183, 190, 197, 204, 211, 218, 225, 232, 239, 246, 253, 260 267, 274, 281, 288, 295, 302, 309, 316, 323, 330, 337
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 344, 351, 358, 365 367
C92366	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22-23
C92367	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729-730

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92368	M	102	APPEARANCE	
			HEAD TILT	
			LEFT	701, 706, 708, 712
			MALOCCLUSION	302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659 666, 673, 680, 687, 694, 701, 706, 708, 712
			EXCRETION	
			FEW FECES	706, 708
			NO FECES	712
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 91	631, 638C, 645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C 706C, 708C, 712C
			VENTRAL-ABDOMINAL	
			WEEK 100	694C, 701C, 706C, 708C, 712C

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER (GROUP: F8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92369	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 102	708C, 715C, 722C, 729-730C
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 51	351C, 358C, 365C, 372C, 379C, 386C, 393C, 400C, 407C, 414C, 421C 428C, 435C, 442C, 449C, 456C, 463C, 470C, 477C, 484C, 491C, 498C 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C 729-730C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 51	351C, 358C, 365C, 372C, 379C, 386C, 393C, 400C, 407C
C92370	M	100	APPEARANCE	
			MALOCCLUSION	554, 561, 568
			SKIN & PELAGE	
			SORE/SCAB	
			AXILLARY REGION-RIGHT	687-688, 694, 697
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92370	M	100	NORMAL	
			NO REMARKABLE OBSERVATIONS	477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 80	554C, 561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C 631C, 638C, 645C, 652C, 659C, 666C, 673C, 680C, 687-688C, 694C 697C
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 100	697C
			VENTRAL-THORACIC	
			WEEK 80	554C, 561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C 631C, 638C, 645C, 652C, 659C, 666C, 673C, 680C, 687-688C, 694C 697C
C92371	D	89	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 554, 561, 568, 575, 582, 589 596, 603, 610, 617, 619
			MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 76	526, 533, 540, 547

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92372	3	53	APPEARANCE	
			MALOCCLUSION	351, 358
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 365, 367
C92373	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22-23
C92374	T	105	APPEARANCE	
			MALOCCLUSION	106, 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190 197, 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281 288, 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372 379, 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463 470, 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645 652, 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729-730
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99
			MASS(ES)	
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 53	365, 372C, 379C, 386C, 393C, 400C

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92375	M	87	APPEARANCE	
			HUNCHED	601, 603, 605
			DISCHARGE	
			NASAL	
			RED IN COLOR	601, 603, 605
			EXCRETION	
			FEW FECES	596
			NO FECES	601, 603, 605
			EYES	
			RED DISCHARGE	
			EYE-LEFT	601, 603, 605
			SKIN & PELAGE	
			YELLOW HAIR COAT	589, 596, 601, 603, 605
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92376	3	53	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309
			MASS(ES) VENTRAL-CERVICAL WEEK 46	316C, 323C, 330C, 337C, 344C, 351C, 358C, 365C, 367C
C92377	D	57	APPEARANCE MALOCCLUSION	64, 71, 78, 85, 92, 99, 106, 113, 120, 127, 134, 141, 148, 155 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232, 239, 246 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323, 330, 337 344, 351, 358, 365, 372, 379, 386, 393
			NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57
			MASS(ES) VENTRAL-CERVICAL-LEFT WEEK 31	211, 218, 225, 232, 239C, 246C, 253C, 260C, 267C, 274C, 281C 288C, 295C, 302C, 309C, 316C, 323C, 330C, 337C, 344C, 351C, 358C 365C, 372C, 379C, 386C, 393C

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92378	M	73	APPEARANCE	
			MALOCCLUSION	190
			THIN	505, 508
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	508
			HYPOACTIVE	
			<UNSPECIFIED>	508
			EXCRETION	
			FEW FECES	505, 508
			EYES	
			RED DISCHARGE	
			EYES	508
			SKIN & PELAGE	
			RED HAIR COAT	
			VENTRAL-ABDOMINAL	505, 508
			YELLOW HAIR COAT	508
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 197, 204 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491 498

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER (GROUP: F8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92378	M	73	MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 44	302, 309
C92379	D	72	APPEARANCE	
			THIN	491, 498
			EXCRETION	
			FEW FECES	491, 498
			NO FECES	449
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330
			MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 49	337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414C 421C, 428C, 435C, 442C, 449C, 456C, 463C, 470C, 477C, 484C, 491C 498C
			VENTRAL-CERVICAL	
			WEEK 65	449C
			VENTRAL-THORACIC	
			WEEK 70	484C, 491C, 498C

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92380	M	81	APPEARANCE	
			MALOCCLUSION	106, 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190 197, 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281 288, 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372 379, 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463 470, 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554 559-561
			THIN	554, 559-561
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	554, 560-561
			HYPOACTIVE	
			<UNSPECIFIED>	559
			EXCRETION	
			FEW FECES	554, 559-561
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 45	309, 316, 323, 330, 337, 344C, 351C, 358C, 365C, 372C, 379C 386C, 393C, 400C, 407C, 414C, 421C, 428C, 435C, 442C, 449C, 456C 463C, 470C, 477C
			AXILLARY REGION-RIGHT	
			WEEK 60	414, 421, 428, 435, 442, 449, 456, 463C, 470C, 477C, 484C, 491C 498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 559-561C
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 50	344C, 351C, 358C, 365C, 372C, 379C, 386C, 393C, 400C, 407C

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92381	M	69	APPEARANCE	
			THIN	477, 479-480
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	480
			SENSITIVE TO TOUCH	477
			DISCHARGE	
			NASAL	
			RED IN COLOR	477, 479-480
			EXCRETION	
			FEW FECES	463, 470, 477, 479
			NO FECES	480
			EYES	
			RED DISCHARGE	
			EYES	477, 479-480
			SKIN & PELAGE	
			YELLOW HAIR COAT	463, 470, 477, 479-480
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414 421, 428, 435, 442, 449, 456

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92381	M	69	MASS(ES)	
			VENTRAL-CERVICAL	
			WEEK 46	316, 323, 330, 337, 344C
C92382	M	57	APPEARANCE	
			THIN	386, 393
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	393
			EXCRETION	
			FEW FECES	393
			EYES	
			RED DISCHARGE	
			EYES	386, 393
			SQUINTED	
			PERI-ORBITAL-RIGHT	386, 393
			SKIN & PELAGE	
			BROWN HAIR COAT	
			GENERALIZED	393
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92383	T	105	APPEARANCE	
			MALOCCLUSION	29, 36
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-CRANIAL	701, 708, 715, 722, 729-730
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113, 120 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 96	666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C, 729-730C
C92384	M	88	APPEARANCE	
			THIN	613-614
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	613-614
			EXCRETION	
			FEW FECES	610, 613
			NO FECES	614

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92384	M	88	EYES	
			RED DISCHARGE	
			EYES	610, 613-614
			SKIN & PELAGE	
			BROWN HAIR COAT	
			VENTRAL-ABDOMINAL	613-614
			PALE	
			ENTIRE BODY	614
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603
C92385	M	96	APPEARANCE	
			HEAD TILT	
			LEFT	658-659, 666
			THIN	666
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	589, 593, 596, 603
			DISCHARGE	
			NASAL	
			RED IN COLOR	658-659, 666

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92385	M	96	EXCRETION	
			FEW FECES	596, 603, 610, 617, 624, 631, 638, 645, 652
			NO FECES	589, 593, 658-659, 666
			EYES	
			RED DISCHARGE	
			EYES	593, 596, 603, 610, 617
			SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL	582, 589, 593, 596, 603, 610, 617, 624, 631
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575
C92386	T	105	APPEARANCE	
			THIN	701, 708, 715, 722, 729-730
			EXCRETION	
			FEW FECES	638, 645, 652, 659, 666, 673, 680, 687
			SKIN & PELAGE	
			SORE/SCAB	
			AXILLARY REGION-LEFT	582, 589
			VENTRAL-CERVICAL-LEFT	701, 708, 715, 722, 729-730

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER	GROUP: F8 DOSE: 0 PPM DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92386	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 76	526, 533, 540, 547C, 554C, 561C, 568C, 575C, 582C, 589C, 596C 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C
			INGUINAL REGION-LEFT	
			WEEK 101	701C, 708C, 715C, 722C, 729-730C
			VENTRAL-ABDOMINAL	
			WEEK 80	554C, 561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C 631C, 638C, 645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C 708C, 715C, 722C, 729-730C
			VENTRAL-CERVICAL-LEFT	
			WEEK 95	659, 666, 673, 680, 687, 694, 701, 708, 715C, 722C, 729-730C
			WART LIKE LESION(S)	
			EAR-LEFT	
			WEEK 92	638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715, 722 729-730

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92387	M	74	APPEARANCE	
			THIN	512-513
			EYES	
			SQUINTED	
			PERI-ORBITAL	513
			SKIN & PELAGE	
			RED HAIR COAT	
			PERINEAL AREA	513
			VENTRAL-ABDOMINAL	513
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 365, 372, 379, 386, 393 400
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 59	407, 414C, 421C, 428C, 435C, 442C, 449C, 456C, 463C, 470C, 477C 484C, 491C, 498C, 505C, 512-513C
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 51	351, 358

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER (GROUP: F8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92388	3	53	SKIN & PELAGE	
			SORE/SCAB	
			HEAD-ENTIRE	309, 316
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 323, 330, 337, 344, 351, 358, 365, 367
C92389	3	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 367
C92390	3	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 367
C92391	D	93	EXCRETION	
			FEW FECES	601, 603
			EYES	
			RED DISCHARGE	
			EYE-LEFT	470, 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554 561, 568, 575, 582, 589, 596, 601, 603, 610, 617, 624, 631, 638 645, 647

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92391	D	93	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 61	421C, 428C, 435C, 442C, 449C, 456C, 463C, 470C, 477C, 484C, 491C 498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C 575C, 582C, 589C, 596C, 601C, 603C, 610C, 617C, 624C, 631C, 638C 645C, 647C
			INGUINAL REGION-RIGHT	
			WEEK 84	582C, 589C, 596C, 601C, 603C, 610C, 617C, 624C, 631C, 638C, 645C 647C
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 49	337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 84	582C, 589C, 596C, 601C, 603C, 610C, 617C, 624C, 631C, 638C, 645C 647C
C92392	M	64	APPEARANCE	
			HEAD TILT	
			LEFT	435, 442
			DISCHARGE	
			NASAL	
			RED IN COLOR	365, 435, 442
			EYES	
			DISCOLORED/LIGHT RED	
			EYES	435, 442

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD / QUALIFIER (GROUP: F8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92392	M	64	EYES	
			RED DISCHARGE	
			EYES	365, 372, 379, 386, 393, 400, 442
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 407, 414, 421 428
C92393	M	94	APPEARANCE	
			MALOCCLUSION	653
			THIN	638, 645, 652-653
			SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-CERVICAL	50, 57, 64, 71, 239, 246, 253, 260, 267, 274, 302, 309, 316, 344 351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435 442, 449, 456, 463, 470, 477, 484, 491, 498
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 78, 85, 92, 99, 106, 113, 120, 127 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218 225, 232, 281, 288, 295, 323, 330, 337
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 60	414C, 421C, 428C, 435C, 442C, 449C, 456C, 463C, 470C, 477C, 484C 491C, 498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C 645C, 652-653C

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER	GROUP: F8 DOSE: 0 PPM DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92393	M	94	MASS(ES)	
			INGUINAL REGION-LEFT	
			WEEK 92	638C, 645C, 652-653C
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 73	505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C 652-653C
C92394	M	85	APPEARANCE	
			THIN	568, 570, 575, 582, 589
			DISCHARGE	
			NASAL	
			RED IN COLOR	568, 570, 575, 582, 589
			EYES	
			RED DISCHARGE	
			EYE-LEFT	568, 570, 575
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239
			MASS(ES)	
			VENTRAL-CERVICAL	
			WEEK 36	246C, 253C, 260C, 267C, 274C, 281C, 288C, 295C, 302C, 309C, 316C 323C, 330C, 337C, 344C, 351C, 358C, 365C, 372C, 379C, 386C, 393C 400C, 407C, 414C, 421C, 428C, 435C, 442C, 449C, 456C, 463C, 470C 477C, 484C, 491C, 498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C 554C, 561C, 568C, 570C, 575C, 582C, 589C

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F8 DOSE: 0 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92395	3	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 367
C92396	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C92397	2	14	EYES	
			DISPLACED PUPIL	
			EYE-RIGHT	29, 92-93
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 36, 43, 50, 57, 64, 71, 78, 85
C92398	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C92399	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C92400	2	14	APPEARANCE	
			MALOCCLUSION	78, 85, 92-93
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92331	F8	288	42	MASS(ES) AXILLARY REGION-RIGHT WEEK 42	10 X 10MM
		295	43	MASS(ES) AXILLARY REGION-RIGHT WEEK 42	10 X 10MM
		302 TO 407	44 59	MASS(ES) AXILLARY REGION-RIGHT WEEK 42	20 X 10MM
		414 TO 484	60 70	MASS(ES) AXILLARY REGION-RIGHT WEEK 42	20 X 15MM
		491 TO 512	71 74	MASS(ES) AXILLARY REGION-RIGHT WEEK 42	20 X 20MM
		519	75	MASS(ES) AXILLARY REGION-RIGHT WEEK 42	30 X 30MM
		526 TO 540	76 78	MASS(ES) AXILLARY REGION-RIGHT WEEK 42	35 X 35MM
		547	79	MASS(ES) AXILLARY REGION-RIGHT WEEK 42	50 X O55MM

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92331	F8	554	80	MASS(ES)	50 X 55MM
	TO	568	82	AXILLARY REGION-RIGHT	
				WEEK 42	
		575	83	MASS(ES)	25 X 55MM
				AXILLARY REGION-RIGHT	
				WEEK 42	
		582	84	MASS(ES)	60 X 55MM
	TO	631	91	AXILLARY REGION-RIGHT	
				WEEK 42	
		638	92	MASS(ES)	60 X 40MM
	TO	641	92	AXILLARY REGION-RIGHT	
				WEEK 42	
C92336	F8	407	59	MASS(ES)	10 X 10MM
				AXILLARY REGION-LEFT	
				WEEK 59	
		414	60	MASS(ES)	20 X 15MM
				AXILLARY REGION-LEFT	
				WEEK 59	
		421	61	MASS(ES)	25 X 25MM
	TO	442	64	AXILLARY REGION-LEFT	
				WEEK 59	
		449	65	MASS(ES)	35 X 35MM
	TO	477	69	AXILLARY REGION-LEFT	
				WEEK 59	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92336	F8	484	70	MASS(ES)	45 X 45MM
	TO	512	74	AXILLARY REGION-LEFT	
				WEEK 59	
		519	75	MASS(ES)	55 X 55MM
	TO	540	78	AXILLARY REGION-LEFT	
				WEEK 59	
		547	79	MASS(ES)	60 X 70MM
	TO	570	82	AXILLARY REGION-LEFT	
				WEEK 59	
		519	75	MASS(ES)	15 X 15MM
				AXILLARY REGION-RIGHT	
				WEEK 75	
		526	76	MASS(ES)	20 X 20MM
	TO	540	78	AXILLARY REGION-RIGHT	
				WEEK 75	
		547	79	MASS(ES)	30 X 35MM
	TO	570	82	AXILLARY REGION-RIGHT	
				WEEK 75	
C92337	F8	274	40	DISCHARGE	MUCOID DISCHARGE FROM RECTUM
				OTHER	
		344	50	MASS(ES)	20 X 20MM
	TO	470	68	VENTRAL-ABDOMINAL	
				WEEK 50	

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92337	F8	477	69	MASS(ES)	25 X 30MM
	TO	498	72	VENTRAL-ABDOMINAL WEEK 50	
		505	73	MASS(ES)	35 X 30MM
	TO	512	74	VENTRAL-ABDOMINAL WEEK 50	
		519	75	MASS(ES)	35 X 20MM
	TO	540	78	VENTRAL-ABDOMINAL WEEK 50	
		547	79	MASS(ES)	35 X 30MM
	TO	569	82	VENTRAL-ABDOMINAL WEEK 50	
		505	73	MASS(ES)	10 X 10MM
	TO	512	74	VENTRAL-ABDOMINAL-LEFT WEEK 73	
C92339	F8	260	38	MASS(ES)	20 X 15MM
	TO	274	40	SHOULDER-LEFT WEEK 38	
		281	41	MASS(ES)	20 X 20MM
	TO	337	49	SHOULDER-LEFT WEEK 38	
		344	50	MASS(ES)	20 X 10MM
	TO	358	52	SHOULDER-LEFT WEEK 38	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92339	F8	470	68	MASS(ES)	15 X 15MM
	TO	477	69	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 66	
		484	70	MASS(ES)	20 X 20MM
				VENTRAL-ABDOMINAL-RIGHT	
				WEEK 66	
		491	71	MASS(ES)	25 X 25MM
	TO	512	74	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 66	
		519	75	MASS(ES)	40 X 50MM
				VENTRAL-ABDOMINAL-RIGHT	
				WEEK 66	
		526	76	MASS(ES)	45 X 60MM
				VENTRAL-ABDOMINAL-RIGHT	
				WEEK 66	
		533	77	MASS(ES)	55 X 35MM
	TO	540	78	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 66	
		547	79	MASS(ES)	70 X 50MM
	TO	575	83	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 66	
		582	84	MASS(ES)	75 X 60MM
	TO	603	87	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 66	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92339	F8	610	88	MASS(ES)	90 X 80MM
	TO	652	94	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 66	
C92340	F8	547	79	MASS(ES)	30 X 35MM
	TO	548	79	INGUINAL REGION-LEFT	
				WEEK 79	
		512	74	MASS(ES)	20 X 20MM
	TO	540	78	VENTRAL-ABDOMINAL	
				WEEK 74	
		547	79	MASS(ES)	35 X 30MM
	TO	548	79	VENTRAL-ABDOMINAL	
				WEEK 74	
		344	50	MASS(ES)	10 X 10MM
	TO	358	52	VENTRAL-ABDOMINAL-LEFT	
				WEEK 44	
		365	53	MASS(ES)	20 X 15MM
				VENTRAL-ABDOMINAL-LEFT	
				WEEK 44	
		372	54	MASS(ES)	25 X 20MM
				VENTRAL-ABDOMINAL-LEFT	
				WEEK 44	
		379	55	MASS(ES)	25 X 30MM
	TO	386	56	VENTRAL-ABDOMINAL-LEFT	
				WEEK 44	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92340	F8	393	57	MASS(ES)	40 X 30MM
		TO 407	59	VENTRAL-ABDOMINAL-LEFT	
				WEEK 44	
		414	60	MASS(ES)	50 X 50MM
		TO 442	64	VENTRAL-ABDOMINAL-LEFT	
				WEEK 44	
		449	65	MASS(ES)	50 X 65MM
		TO 477	69	VENTRAL-ABDOMINAL-LEFT	
				WEEK 44	
		484	70	MASS(ES)	70 X 70MM
		TO 491	71	VENTRAL-ABDOMINAL-LEFT	
				WEEK 44	
		498	72	MASS(ES)	80 X 70MM
		TO 519	75	VENTRAL-ABDOMINAL-LEFT	
				WEEK 44	
		526	76	MASS(ES)	85 X 80MM
		TO 540	78	VENTRAL-ABDOMINAL-LEFT	
				WEEK 44	
		547	79	MASS(ES)	100 X 85MM
		TO 548	79	VENTRAL-ABDOMINAL-LEFT	
				WEEK 44	
		512	74	MASS(ES)	20 X 20MM
		TO 540	78	VENTRAL-THORACIC-LEFT	
				WEEK 74	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92340	F8	547	79	MASS(ES)	35 X 20MM
	TO	548	79	VENTRAL-THORACIC-LEFT	
				WEEK 74	
C92341	F8	365	53	MASS(ES)	10 X 10MM
	TO	367	53	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 53	
C92343	F8	127	19	MASS(ES)	10 X 15MM
				SHOULDER-RIGHT	
				WEEK 19	
		134	20	MASS(ES)	15 X 20MM
	TO	162	24	SHOULDER-RIGHT	
				WEEK 19	
		169	25	MASS(ES)	30 X 30MM
	TO	176	26	SHOULDER-RIGHT	
				WEEK 19	
		183	27	MASS(ES)	30 X 40MM
	TO	218	32	SHOULDER-RIGHT	
				WEEK 19	
		225	33	MASS(ES)	40 X 55MM
	TO	253	37	SHOULDER-RIGHT	
				WEEK 19	
		260	38	MASS(ES)	50 X 40MM
	TO	281	41	SHOULDER-RIGHT	
				WEEK 19	

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92343	F8	288	42	MASS(ES)	65 X 50MM
	TO	302	44	SHOULDER-RIGHT	
				WEEK 19	
		309	45	MASS(ES)	60 X 70MM
				SHOULDER-RIGHT	
				WEEK 19	
		316	46	MASS(ES)	65 X 50MM
	TO	330	48	SHOULDER-RIGHT	
				WEEK 19	
		337	49	MASS(ES)	65 X 60MM
	TO	400	58	SHOULDER-RIGHT	
				WEEK 19	
C92348	F8	701	101	MASS(ES)	20 X 20MM
	TO	708	102	AXILLARY REGION-RIGHT	
				WEEK 101	
		715	103	MASS(ES)	40 X 35MM
				AXILLARY REGION-RIGHT	
				WEEK 101	
		722	104	MASS(ES)	40 X 35MM
				AXILLARY REGION-RIGHT	
				WEEK 101	
		729	105	MASS(ES)	50 X 45MM
				AXILLARY REGION-RIGHT	
				WEEK 101	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92348	F8	730	105	MASS(ES) AXILLARY REGION-RIGHT WEEK 101	50 X 45MM
		694	100	MASS(ES) VENTRAL-ABDOMINAL WEEK 100	40 X 45MM
		701	101	MASS(ES) VENTRAL-ABDOMINAL WEEK 100	45 X 40MM
		708	102	MASS(ES) VENTRAL-ABDOMINAL WEEK 100	45 X 35MM
		715	103	MASS(ES) VENTRAL-ABDOMINAL WEEK 100	60 X 40MM
		722	104	MASS(ES) VENTRAL-ABDOMINAL WEEK 100	60 X 40MM
		729	105	MASS(ES) VENTRAL-ABDOMINAL WEEK 100	60 X 40MM
		730	105	MASS(ES) VENTRAL-ABDOMINAL WEEK 100	60 X 40MM

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92349	F8	344	50	MASS(ES)	10 X 10MM
	TO	400	58	VENTRAL-ABDOMINAL-LEFT	
				WEEK 50	
C92350	F8	656	94	DISCHARGE	RED ORAL
				OTHER	
		656	94	DISCHARGE	RED ORAL
				OTHER	
C92354	F8	610	88	MASS(ES)	10 X 10MM
	TO	724	104	AXILLARY REGION-RIGHT	
				WEEK 83	
C92358	F8	610	88	MASS(ES)	10 X 10MM
	TO	708	102	AXILLARY REGION-RIGHT	
				WEEK 84	
		715	103	MASS(ES)	20 X 20MM
	TO	730	105	AXILLARY REGION-RIGHT	
				WEEK 84	
C92359	F8	638	92	MASS(ES)	10 X 10MM
	TO	648	93	AXILLARY REGION-LEFT	
				WEEK 92	
		547	79	MASS(ES)	20 X 10MM
				AXILLARY REGION-RIGHT	
				WEEK 79	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92359	F8	554	80	MASS(ES)	10 X 10MM
	TO	575	83	AXILLARY REGION-RIGHT WEEK 79	
		582	84	MASS(ES)	25 X 25MM
	TO	603	87	AXILLARY REGION-RIGHT WEEK 79	
		610	88	MASS(ES)	30 X 30MM
	TO	648	93	AXILLARY REGION-RIGHT WEEK 79	
		554	80	MASS(ES)	10 X 10MM
	TO	575	83	VENTRAL-ABDOMINAL WEEK 80	
C92360	F8	582	84	MASS(ES)	10 X 10MM
	TO	631	91	AXILLARY REGION-LEFT WEEK 77	
		687	99	MASS(ES)	30 X 20MM
	TO	708	102	AXILLARY REGION-LEFT WEEK 96	
		715	103	MASS(ES)	55 X 50MM
	TO	722	104	AXILLARY REGION-LEFT WEEK 96	
		729	105	MASS(ES)	60 X 60MM
	TO	730	105	AXILLARY REGION-LEFT WEEK 96	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92360	F8	638	92	MASS(ES)	10 X 10MM
	TO	645	93	AXILLARY REGION-RIGHT	
				WEEK 92	
		652	94	MASS(ES)	20 X 20MM
	TO	666	96	AXILLARY REGION-RIGHT	
				WEEK 92	
		673	97	MASS(ES)	30 X 25MM
	TO	708	102	AXILLARY REGION-RIGHT	
				WEEK 92	
		715	103	MASS(ES)	45 X 45MM
	TO	730	105	AXILLARY REGION-RIGHT	
				WEEK 92	
		463	67	MASS(ES)	25 X 25MM
	TO	498	72	VENTRAL-ABDOMINAL-LEFT	
				WEEK 61	
		505	73	MASS(ES)	35 X 35MM
	TO	512	74	VENTRAL-ABDOMINAL-LEFT	
				WEEK 61	
		519	75	MASS(ES)	35 X 50MM
	TO	540	78	VENTRAL-ABDOMINAL-LEFT	
				WEEK 61	
		547	79	MASS(ES)	50 X 50MM
				VENTRAL-ABDOMINAL-LEFT	
				WEEK 61	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92360	F8	554	80	MASS(ES)	70 X 60MM
	TO	659	95	VENTRAL-ABDOMINAL-LEFT WEEK 61	
		666	96	MASS(ES)	65 X 45MM
	TO	687	99	VENTRAL-ABDOMINAL-LEFT WEEK 61	
		694	100	MASS(ES)	65 X 50MM
	TO	708	102	VENTRAL-ABDOMINAL-LEFT WEEK 61	
		715	103	MASS(ES)	80 X 65MM
	TO	730	105	VENTRAL-ABDOMINAL-LEFT WEEK 61	
C92361	F8	568	82	MASS(ES)	20 X 20MM
	TO	575	83	AXILLARY REGION-LEFT WEEK 80	
		582	84	MASS(ES)	25 X 30MM
	TO	603	87	AXILLARY REGION-LEFT WEEK 80	
		610	88	MASS(ES)	40 X 35MM
	TO	702	101	AXILLARY REGION-LEFT WEEK 80	
		505	73	MASS(ES)	10 X 10MM
	TO	519	75	VENTRAL-ABDOMINAL-LEFT WEEK 73	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92361	F8	526	76	MASS(ES)	25 X 25MM
		TO 540	78	VENTRAL-ABDOMINAL-LEFT WEEK 73	
		547	79	MASS(ES)	30 X 45MM
		TO 554	80	VENTRAL-ABDOMINAL-LEFT WEEK 73	
		561	81	MASS(ES)	50 X 50MM
		TO 575	83	VENTRAL-ABDOMINAL-LEFT WEEK 73	
		582	84	MASS(ES)	60 X 65MM
		TO 589	85	VENTRAL-ABDOMINAL-LEFT WEEK 73	
		596	86	MASS(ES)	70 X 65MM
		TO 603	87	VENTRAL-ABDOMINAL-LEFT WEEK 73	
		610	88	MASS(ES)	85 X 70MM
		TO 659	95	VENTRAL-ABDOMINAL-LEFT WEEK 73	
		666	96	MASS(ES)	90 X 65MM
				VENTRAL-ABDOMINAL-LEFT WEEK 73	
		673	97	MASS(ES)	90 X 85MM
		TO 694	100	VENTRAL-ABDOMINAL-LEFT WEEK 73	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92361	F8	701	101	MASS(ES)	110 X 100MM
	TO	702	101	VENTRAL-ABDOMINAL-LEFT WEEK 73	
C92362	F8	708	102	MASS(ES)	10 X 10MM
				VENTRAL-ABDOMINAL-LEFT WEEK 102	
		715	103	MASS(ES)	30 X 20MM
				VENTRAL-ABDOMINAL-LEFT WEEK 102	
		722	104	MASS(ES)	20 X 10MM
				VENTRAL-ABDOMINAL-LEFT WEEK 102	
		729	105	MASS(ES)	30 X 30MM
	TO	730	105	VENTRAL-ABDOMINAL-LEFT WEEK 102	
C92363	F8	526	76	MASS(ES)	20 X 20MM
	TO	540	78	AXILLARY REGION-LEFT WEEK 76	
		547	79	MASS(ES)	50 X 55MM
				AXILLARY REGION-LEFT WEEK 76	
		554	80	MASS(ES)	60 X 55MM
	TO	561	81	AXILLARY REGION-LEFT WEEK 76	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92363	F8	568	82	MASS(ES) AXILLARY REGION-LEFT WEEK 76	80 X 60MM
		575 TO 575	83 83	MASS(ES) AXILLARY REGION-LEFT WEEK 76	80 X 80MM
		575	83	MASS(ES) AXILLARY REGION-LEFT WEEK 76	80 X 60MM
C92368	F8	638 TO 706	92 101	MASS(ES) AXILLARY REGION-RIGHT WEEK 91	20 X 25MM
		708 TO 712	102 102	MASS(ES) AXILLARY REGION-RIGHT WEEK 91	35 X 30MM
		694 TO 712	100 102	MASS(ES) VENTRAL-ABDOMINAL WEEK 100	40 X 30MM
C92369	F8	708	102	MASS(ES) AXILLARY REGION-LEFT WEEK 102	10 X 10MM
		715	103	MASS(ES) AXILLARY REGION-LEFT WEEK 102	25 X 20MM

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92369	F8	722	104	MASS(ES) AXILLARY REGION-LEFT WEEK 102	25 X 20MM
		729	105	MASS(ES) AXILLARY REGION-LEFT WEEK 102	25 X 20MM
		730	105	MASS(ES) AXILLARY REGION-LEFT WEEK 102	25 X 20 MM
		351 TO 414	51 60	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 51	10 X 10MM
		421 TO 442	61 64	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 51	20 X 20MM
		449 TO 477	65 69	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 51	30 X 30MM
		484 TO 498	70 72	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 51	35 X 35MM
		505 TO 512	73 74	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 51	45 X 40MM

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92369	F8	519	75	MASS(ES)	50 X 55MM
	TO	526	76	VENTRAL-ABDOMINAL-LEFT WEEK 51	
		533	77	MASS(ES)	51 X 40MM
	TO	540	78	VENTRAL-ABDOMINAL-LEFT WEEK 51	
		547	79	MASS(ES)	65 X 60MM
	TO	589	85	VENTRAL-ABDOMINAL-LEFT WEEK 51	
		596	86	MASS(ES)	70 X 60MM
	TO	603	87	VENTRAL-ABDOMINAL-LEFT WEEK 51	
		610	88	MASS(ES)	85 X 70MM
	TO	708	102	VENTRAL-ABDOMINAL-LEFT WEEK 51	
		715	103	MASS(ES)	100 X 110MM
	TO	722	104	VENTRAL-ABDOMINAL-LEFT WEEK 51	
		729	105	MASS(ES)	115 X 110MM
	TO	730	105	VENTRAL-ABDOMINAL-LEFT WEEK 51	
		351	51	MASS(ES)	15 X 15MM
	TO	407	59	VENTRAL-ABDOMINAL-RIGHT WEEK 51	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92370	F8	554	80	MASS(ES)	10 X 10MM
	TO	561	81	AXILLARY REGION-RIGHT	
				WEEK 80	
		568	82	MASS(ES)	20 X 20MM
	TO	575	83	AXILLARY REGION-RIGHT	
				WEEK 80	
		582	84	MASS(ES)	30 X 30MM
	TO	589	85	AXILLARY REGION-RIGHT	
				WEEK 80	
		596	86	MASS(ES)	30 X 40MM
	TO	603	87	AXILLARY REGION-RIGHT	
				WEEK 80	
		610	88	MASS(ES)	50 X 50MM
	TO	631	91	AXILLARY REGION-RIGHT	
				WEEK 80	
		638	92	MASS(ES)	55 X 55MM
	TO	697	100	AXILLARY REGION-RIGHT	
				WEEK 80	
		697	100	MASS(ES)	15 X 15MM
	TO	697	100	VENTRAL-ABDOMINAL-LEFT	
				WEEK 100	
		554	80	MASS(ES)	10 X 10MM
	TO	561	81	VENTRAL-THORACIC	
				WEEK 80	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92370	F8	568	82	MASS(ES)	30 X 30MM
	TO	603	87	VENTRAL-THORACIC	
				WEEK 80	
		610	88	MASS(ES)	45 X 35MM
	TO	697	100	VENTRAL-THORACIC	
				WEEK 80	
C92374	F8	372	54	MASS(ES)	10 X 10MM
	TO	400	58	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 53	
C92376	F8	316	46	MASS(ES)	30 X 30MM
	TO	367	53	VENTRAL-CERVICAL	
				WEEK 46	
C92377	F8	239	35	MASS(ES)	15 X 15MM
	TO	309	45	VENTRAL-CERVICAL-LEFT	
				WEEK 31	
		316	46	MASS(ES)	20 X 20MM
	TO	393	57	VENTRAL-CERVICAL-LEFT	
				WEEK 31	
C92379	F8	414	60	MASS(ES)	15 X 10MM
	TO	421	61	VENTRAL-ABDOMINAL-LEFT	
				WEEK 49	
		428	62	MASS(ES)	20 X 15MM
	TO	498	72	VENTRAL-ABDOMINAL-LEFT	
				WEEK 49	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92379	F8	449	65	MASS(ES) VENTRAL-CERVICAL WEEK 65	10 X 10MM
		484 TO 498	70 72	MASS(ES) VENTRAL-THORACIC WEEK 70	10 X 10MM
C92380	F8	344 TO 379	50 55	MASS(ES) AXILLARY REGION-LEFT WEEK 45	10 X 10MM
		386 TO 407	56 59	MASS(ES) AXILLARY REGION-LEFT WEEK 45	15 X 15MM
		414 TO 477	60 69	MASS(ES) AXILLARY REGION-LEFT WEEK 45	20 X 20MM
		463 TO 498	67 72	MASS(ES) AXILLARY REGION-RIGHT WEEK 60	20 X 20MM
		505 TO 519	73 75	MASS(ES) AXILLARY REGION-RIGHT WEEK 60	40 X 30MM
		526 TO 540	76 78	MASS(ES) AXILLARY REGION-RIGHT WEEK 60	45 X 45MM

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92380	F8	547	79	MASS(ES) AXILLARY REGION-RIGHT WEEK 60	50 X 50MM
		554 TO 561	80 81	MASS(ES) AXILLARY REGION-RIGHT WEEK 60	45 X 45MM
		344 TO 358	50 52	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 50	10 X 10MM
		365 TO 407	53 59	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 50	20 X 30MM
C92381	F8	344	50	MASS(ES) VENTRAL-CERVICAL WEEK 46	10 X 10MM
C92383	F8	666 TO 708	96 102	MASS(ES) AXILLARY REGION-LEFT WEEK 96	20 X 20MM
		715 TO 730	103 105	MASS(ES) AXILLARY REGION-LEFT WEEK 96	40 X 40MM
C92386	F8	547	79	MASS(ES) AXILLARY REGION-LEFT WEEK 76	10 X 20MM

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92386	F8	554	80	MASS(ES)	15 X 10MM
	TO	652	94	AXILLARY REGION-LEFT	
				WEEK 76	
		701	101	MASS(ES)	10 X 10MM
	TO	708	102	INGUINAL REGION-LEFT	
				WEEK 101	
		715	103	MASS(ES)	30 X 30MM
	TO	730	105	INGUINAL REGION-LEFT	
				WEEK 101	
		554	80	MASS(ES)	10 X 10MM
	TO	575	83	VENTRAL-ABDOMINAL	
				WEEK 80	
		582	84	MASS(ES)	30 X 25MM
				VENTRAL-ABDOMINAL	
				WEEK 80	
		589	85	MASS(ES)	30 X 30MM
	TO	631	91	VENTRAL-ABDOMINAL	
				WEEK 80	
		638	92	MASS(ES)	30 X 40MM
	TO	722	104	VENTRAL-ABDOMINAL	
				WEEK 80	
		729	105	MASS(ES)	40 X 40MM
	TO	730	105	VENTRAL-ABDOMINAL	
				WEEK 80	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92386	F8	715	103	MASS(ES)	10 X 10MM
	TO	730	105	VENTRAL-CERVICAL-LEFT	
				WEEK 95	
C92387	F8	414	60	MASS(ES)	10 X 10MM
	TO	435	63	AXILLARY REGION-RIGHT	
				WEEK 59	
		442	64	MASS(ES)	15 X 15MM
				AXILLARY REGION-RIGHT	
				WEEK 59	
		449	65	MASS(ES)	30 X 30MM
	TO	498	72	AXILLARY REGION-RIGHT	
				WEEK 59	
		505	73	MASS(ES)	45 X 40MM
				AXILLARY REGION-RIGHT	
				WEEK 59	
		512	74	MASS(ES)	45 X 30MM
	TO	513	74	AXILLARY REGION-RIGHT	
				WEEK 59	
C92391	F8	421	61	MASS(ES)	10 X 10MM
				AXILLARY REGION-LEFT	
				WEEK 61	
		428	62	MASS(ES)	15 X 15MM
	TO	540	78	AXILLARY REGION-LEFT	
				WEEK 61	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92391	F8	547	79	MASS(ES)	20 X 30MM
	TO	647	93	AXILLARY REGION-LEFT	
				WEEK 61	
		582	84	MASS(ES)	10 X 10MM
	TO	647	93	INGUINAL REGION-RIGHT	
				WEEK 84	
		582	84	MASS(ES)	10 X 10MM
	TO	631	91	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 84	
		638	92	MASS(ES)	20 X 15MM
	TO	647	93	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 84	
C92393	F8	414	60	MASS(ES)	20 X 20MM
	TO	421	61	AXILLARY REGION-RIGHT	
				WEEK 60	
		428	62	MASS(ES)	30 X 30MM
	TO	442	64	AXILLARY REGION-RIGHT	
				WEEK 60	
		449	65	MASS(ES)	40 X 40MM
	TO	477	69	AXILLARY REGION-RIGHT	
				WEEK 60	
		484	70	MASS(ES)	55 X 50MM
	TO	519	75	AXILLARY REGION-RIGHT	
				WEEK 60	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92393	F8	526	76	MASS(ES)	60 X 60MM
	TO	540	78	AXILLARY REGION-RIGHT WEEK 60	
		547	79	MASS(ES)	60 X 70MM
	TO	589	85	AXILLARY REGION-RIGHT WEEK 60	
		596	86	MASS(ES)	70 X 80MM
	TO	603	87	AXILLARY REGION-RIGHT WEEK 60	
		610	88	MASS(ES)	95 X 80MM
	TO	652	94	AXILLARY REGION-RIGHT WEEK 60	
		653	94	MASS(ES)	110 X 90MM
	TO	653	94	AXILLARY REGION-RIGHT WEEK 60	
		638	92	MASS(ES)	15 X 15MM
	TO	653	94	INGUINAL REGION-LEFT WEEK 92	
		505	73	MASS(ES)	10 X 10MM
	TO	554	80	VENTRAL-ABDOMINAL-LEFT WEEK 73	
		561	81	MASS(ES)	15 X 15MM
	TO	631	91	VENTRAL-ABDOMINAL-LEFT WEEK 73	

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92393	F8	638	92	MASS(ES)	20 X 25MM
	TO	653	94	VENTRAL-ABDOMINAL-LEFT WEEK 73	
C92394	F8	246	36	MASS(ES)	10 X 10MM
	TO	267	39	VENTRAL-CERVICAL WEEK 36	
		274	40	MASS(ES)	15 X 10MM
	TO	309	45	VENTRAL-CERVICAL WEEK 36	
		316	46	MASS(ES)	20 X 25MM
	TO	365	53	VENTRAL-CERVICAL WEEK 36	
		372	54	MASS(ES)	25 X 25MM
	TO	442	64	VENTRAL-CERVICAL WEEK 36	
		449	65	MASS(ES)	35 X 35MM
	TO	498	72	VENTRAL-CERVICAL WEEK 36	
		505	73	MASS(ES)	45 X 45MM
	TO	519	75	VENTRAL-CERVICAL WEEK 36	
		526	76	MASS(ES)	55 X 50MM
	TO	540	78	VENTRAL-CERVICAL WEEK 36	

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92394	F8	547	79	MASS(ES)	75 X 50MM
	TO	589	85	VENTRAL-CERVICAL	
				WEEK 36	

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92401	M	92	APPEARANCE	
			HEAD TILT	
			LEFT	617, 624, 631, 633-634, 638, 641
			MALOCCLUSION	638, 641
			THIN	633-634, 638, 641
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	634, 638, 641
			COLD TO TOUCH	
			ENTIRE BODY	641
			EXCRETION	
			FEW FECES	617, 624, 631, 633
			NO FECES	633-634
			NONFORMED FECES	547
			EYES	
			RED DISCHARGE	
			EYE-LEFT	634
			EYES	641
			SKIN & PELAGE	
			PALE	
			ENTIRE BODY	638, 641
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92401	M	92	NORMAL	
			NO REMARKABLE OBSERVATIONS	477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 554, 561, 568 575, 582, 589, 596, 603, 610
C92402	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22-23
C92403	D	51	DISCHARGE	
			GENITAL	
			RED IN COLOR	260
			EYES	
			RED DISCHARGE	
			EYE-RIGHT	155, 162
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 169, 176, 183, 190, 197, 204, 211 218, 225, 232
			MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 35	239C, 246C, 253C, 260C, 267C, 274C, 281C, 288C, 295C, 302C, 309C 316C, 323C, 330C, 337C, 344C, 351C, 356C

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92404	M	81	EYES	
			SQUINTED	
			PERI-ORBITAL	566
			SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-CERVICAL-LEFT	554, 561, 566
			YELLOW HAIR COAT	566
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477
			MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 76	526C, 533C, 540C, 547C, 554C, 561C, 566C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 79	547, 554, 561, 566
			VENTRAL-CERVICAL-LEFT	
			WEEK 70	484, 491, 498, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C 561C, 566C

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92405	M	98	BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	686
			COLD TO TOUCH	
			ENTIRE BODY	686
			DISCHARGE	
			NASAL	
			RED IN COLOR	666, 668, 673
			EXCRETION	
			FEW FECES	664-666
			NO FECES	668, 673
			NONFORMED FECES	582, 589
			EYES	
			SQUINTED	
			PERI-ORBITAL	668, 673, 680, 686
			SKIN & PELAGE	
			BROWN HAIR COAT	
			PERINEAL AREA	668, 673, 680, 686
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 610, 617, 624 631, 638, 645, 652, 659

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD / QUALIFIER	GROUP: F9 DOSE: 1 PPM DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92405	M	98	MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 79	547, 554C, 561C, 568C, 575C, 582C, 589C, 596C, 603C
			INGUINAL REGION-LEFT	
			WEEK 84	582C, 589C, 596C, 603C
C92406	3	53	APPEARANCE	
			MALOCCLUSION	176, 183, 190, 197, 204, 211, 218, 225, 232
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 239, 246, 253, 260 267, 274, 281, 288, 295, 302, 309, 316, 323, 330, 337, 344, 351 358, 365, 367
C92407	3	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 367
C92408	M	104	EYES	
			PALE	
			EYES	722
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92408	M	104	MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 73	505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 92	638C, 645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C 715C, 722C
C92409	M	99	APPEARANCE	
			HEAD TILT	
			RIGHT	690-691
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	690-691
			HYPOACTIVE	
			<UNSPECIFIED>	691
			EXCRETION	
			FEW FECES	679-680
			EYES	
			RED DISCHARGE	
			EYES	673, 679-680, 687, 690-691
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	673, 679-680, 687, 690-691
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD / QUALIFIER	GROUP: F9 DOSE: 1 PPM DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92409	M	99	NORMAL	
			NO REMARKABLE OBSERVATIONS	113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 491, 498, 505
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 74	512, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C 666C, 673C, 679-680C, 687C, 690-691C
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 66	456, 463, 470, 477, 484
			WEEK 75	519C, 526C, 533C, 540C, 547C, 554C
C92410	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603
			MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 103	715, 722, 729-730C
			VENTRAL-CERVICAL	
			WEEK 88	610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C, 673C, 680C 687C, 694C, 701C, 708C, 715C, 722C, 729-730C

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92411	3	53	APPEARANCE	
			MALOCCLUSION	148, 152, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316 323, 330, 337, 344, 351, 358, 365, 367
			BEHAVIOR	
			SENSITIVE TO TOUCH	152
			DISCHARGE	
			NASAL	
			RED IN COLOR	152
			EYES	
			RED DISCHARGE	
			EYE-LEFT	141
			SKIN & PELAGE	
			BLUE SKIN	
			VENTRAL-ABDOMINAL-LEFT	309, 316
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134
			MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 44	302C, 309C, 316C, 323C, 330C, 337C, 344, 351, 358, 365, 367

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92412	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729-730
C92413	M	102	APPEARANCE	
			HEAD TILT	
			RIGHT	701, 708, 710
			MALOCCLUSION	281, 288, 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456 463, 470, 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 710
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	710
			EXCRETION	
			FEW FECES	710
			RESPIRATION	
			LABORED	701, 708, 710
			SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-RIGHT	638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 710

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER	GROUP: F9 DOSE: 1 PPM DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92413	M	102	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 96	666C, 673C, 680C, 687C, 694C, 701C, 708C, 710C
C92414	M	63	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 42	288, 295
			LIMB-FRONT-RIGHT	
			WEEK 35	239, 246, 253, 260C, 267C, 274C, 281C
			PAW-HIND-RIGHT	
			WEEK 42	288C, 295C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 44	302, 309C, 316C, 323C, 330C, 337C, 344C, 351C, 358C, 365C, 372C 379C, 386C, 393C, 400C, 407C, 414C, 421C, 428C, 435C

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92415	D	89	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 619
C92416	T	105	SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-CRANIAL	701, 708, 715, 722, 729-730
			SORE/SCAB	
			TAIL	729-730
			TAIL-PROXIMAL	519, 526, 638, 645, 652, 701
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512
			MASS(ES)	
			INGUINAL REGION-RIGHT	
			WEEK 84	582C, 589C, 596C, 603C
			TAIL-PROXIMAL	
			WEEK 75	519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C 673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C, 729-730C

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD / QUALIFIER (GROUP: F9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92416	T	105	WART LIKE LESION(S)	
			HEAD-MAXILLARY-RIGHT	
			WEEK 79	547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729-730
C92417	M	94	APPEARANCE	
			HEAD TILT	
			LEFT	648, 652
			RIGHT	653
			THIN	622, 624, 631, 633-634, 638, 645, 648, 652-653
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	634
			CIRCLING	
			LEFT	648, 652
			EXCRETION	
			FEW FECES	596, 603, 610, 617, 622, 624, 631, 633, 648, 652-653
			NO FECES	634, 638, 645
			EYES	
			RED DISCHARGE	
			EYES	634
			SKIN & PELAGE	
			YELLOW HAIR COAT	631, 633-634, 638, 645, 648, 652-653
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER	GROUP: F9 DOSE: 1 PPM DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92417	M	94	NORMAL	
			NO REMARKABLE OBSERVATIONS	204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589
C92418	3	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 367
C92419	T	105	APPEARANCE	
			MALOCCLUSION	85, 92, 99, 106, 113, 120, 127, 134, 141, 148, 155, 162, 169 176, 183, 190, 197, 204, 211, 218, 225, 232, 239, 246, 253, 260 267, 274, 281, 288, 295, 302, 309, 316, 323, 330, 337, 344, 351 358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442 449, 456, 463, 470, 477, 484, 491, 498, 505, 512, 519, 526, 533 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624 631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715 722, 729-730
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 96	666, 673, 680, 687, 694, 701, 708, 715, 722, 729-730
			AXILLARY REGION-RIGHT	
			WEEK 101	701C, 708C, 715C, 722C, 729-730C

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92420	M	73	SKIN & PELAGE	
			SORE/SCAB	
			AXILLARY REGION-RIGHT	505
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 372, 379
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 59	407C, 414C, 421C, 428C, 435C, 442C, 449C, 456C, 463C, 470C, 477C 484C, 491C, 498C, 505C
			VENTRAL-ABDOMINAL	
			WEEK 50	344, 351, 358, 365
			WEEK 56	386C, 393C, 400C
C92421	T	105	APPEARANCE	
			MALOCCLUSION	148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687 694, 701, 708, 715, 722, 729-730
			SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL-RIGHT	575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659 666, 673, 680, 687, 694, 701, 708, 715, 722, 729-730

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER	GROUP: F9 DOSE: 1 PPM DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92421	T	105	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141
C92422	3	53	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 367
C92423	T	105	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 582, 589 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680 687, 694, 701, 708, 715, 722, 729-730
			MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 80	554, 561, 568, 575
C92424	3	53	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 367

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92425	M	100	SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL-LEFT	687, 694
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575
			MASS(ES)	
			INGUINAL REGION-LEFT	
			WEEK 92	638C, 645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C
			INGUINAL REGION-RIGHT	
			WEEK 84	582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C 659C, 666C, 673C, 680C, 687C, 694C
C92426	T	105	APPEARANCE	
			SWOLLEN	
			PAW-HIND-RIGHT	638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708
			EYES	
			RED DISCHARGE	
			EYE-LEFT	302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659 666, 673, 680, 687, 694, 701, 708, 715, 722, 729-730

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92426	T	105	SKIN & PELAGE	
			SORE/SCAB	
			DORSAL	701, 708, 715, 722, 729-730
			PAWS-HIND	491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666 673, 680, 687, 694, 701, 708, 715, 722, 729-730
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232
			MASS(ES)	
			DORSAL	
			WEEK 83	575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C 729-730C
			INGUINAL REGION-RIGHT	
			WEEK 35	239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323 330, 337, 344
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 101	701C, 708C, 715C, 722C, 729-730C
C92427	M	63	APPEARANCE	
			THIN	428, 435
			SKIN & PELAGE	
			SORE/SCAB	
			LATERAL-ABDOMINAL-RIGHT	428, 435
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92427	M	63	NORMAL	
			NO REMARKABLE OBSERVATIONS	113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 28	190C, 197C, 204C, 211C, 218C, 225C, 232C, 239C, 246C, 253C, 260C 267C, 274C, 281C, 288C, 295C, 302C, 309C, 316C, 323C, 330C, 337C 344C, 351C, 358C, 365C, 372C
			WEEK 55	379C, 386C, 393C, 400C, 407C, 414C, 421C, 428C, 435C
C92428	M	62	EYES	
			RED DISCHARGE	
			EYES	428
			SKIN & PELAGE	
			RED HAIR COAT	
			VENTRAL-ABDOMINAL-LEFT	428
			SORE/SCAB	
			HEAD-CRANIAL	344
			VENTRAL-CERVICAL	428
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 51	351C, 358C, 365C, 372C, 379C, 386C, 393C, 400C, 407C, 414C, 421C 428C
			VENTRAL-CERVICAL-LEFT	
			WEEK 38	260C, 267C, 274C, 281C, 288C, 295C, 302C, 309C, 316C, 323C, 330C

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92428	M	62	MASS(ES)	
			VENTRAL-CERVICAL-LEFT	
			WEEK 38	337C
C92429	D	62	BEHAVIOR	
			COLD TO TOUCH	
			ENTIRE BODY	393, 400
			EYES	
			PALE	
			EYES	393, 400, 407
			SKIN & PELAGE	
			PALE	
			ENTIRE BODY	393, 400, 407, 414
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 421, 428, 431
C92430	T	105	SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-LEFT	694, 701, 708, 715, 722, 729-730
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92430	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687
			MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 102	708C, 715C, 722C, 729-730C
C92431	T	105	SKIN & PELAGE	
			SORE/SCAB	
			LATERAL-CERVICAL-LEFT	29, 36, 43, 50, 57
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 64, 71, 78, 85, 92, 99, 106, 113, 120, 127, 134 141, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589 596, 603, 610, 617, 624, 631, 638, 645, 652
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 96	666, 673, 680, 687C, 694C, 701C, 708C, 715C, 722C, 729-730C
			INGUINAL REGION-LEFT	
			WEEK 95	659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C 729-730C

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92432	M	77	APPEARANCE	
			HUNCHED	519, 526, 533, 537
			MALOCCLUSION	29, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 484 491, 498, 505, 512, 519, 526, 533, 537
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	537
			RESPIRATION	
			LABORED	537
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372
			MASS(ES)	
			VENTRAL-THORACIC-LEFT	
			WEEK 65	449C, 456C, 463C, 470C, 477C, 484C, 491C, 498C, 505C, 512C, 519C 526C, 533C, 537C
C92433	3	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 367

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD / QUALIFIER (GROUP: F9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92434	D	91	APPEARANCE	
			THIN	582, 589, 596, 603, 610, 617, 624, 631, 633
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372
			MASS(ES)	
			SHOULDER-RIGHT	
			WEEK 55	379C, 386C, 393C, 400C, 407C, 414C, 421C, 428C, 435C, 442C, 449C 456C, 463C, 470C, 477C, 484C, 491C, 498C, 505C, 512C, 519C, 526C 533C, 540C, 547C, 554C, 561C, 568C, 570C, 575C, 582C, 589C, 596C 603C, 610C, 617C, 624C, 631C, 633C
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 61	421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505C 512
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 70	484C, 491C, 498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C 561C, 568C, 570C, 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C 631C, 633C
			WEEK 74	512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 570C, 575C 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 633C

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92435	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22-23
C92436	M	96	APPEARANCE	
			MALOCCLUSION	225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666
			THIN	638, 645, 652, 659, 666
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 74	512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C 666C
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 66	456C, 463C, 470C, 477C, 484C, 491C, 498C, 505C, 512C, 519C, 526C 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C, 596C, 603C 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92437	M	50	APPEARANCE	
			THIN	344, 348
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	344, 348
			EYES	
			RED DISCHARGE	
			EYES	344, 348
			SQUINTED	
			PERI-ORBITAL	344, 348
			SKIN & PELAGE	
			RED HAIR COAT	
			DORSAL	190, 197, 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274 281, 288, 295, 302, 309, 316, 323, 330, 337
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183
			MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 34	232C, 239C, 246C, 253C, 260C, 267C, 274C, 281C, 288C, 295C, 302C 309C, 316C, 323C, 330C, 337C, 344C, 348C

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92438	3	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295
			MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 44	302C, 309C, 316C, 323C, 330C, 337C, 344C, 351C, 358C, 365C, 367C
C92439	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729-730
C92440	D	80	APPEARANCE	
			LIMITED USE	
			LIMB-HIND-LEFT	547, 554, 559-560
			SWOLLEN	
			PAW-HIND-LEFT	559
			EXCRETION	
			FEW FECES	559
			SKIN & PELAGE	
			SORE/SCAB	
			HEAD-MAXILLARY-RIGHT	428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER (GROUP: F9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92440	D	80	SKIN & PELAGE	
			SORE/SCAB	
			HEAD-MAXILLARY-RIGHT	519, 526, 533, 540, 547, 554, 559-560
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 42	288, 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372 379, 386, 393, 400, 407, 414, 421, 428, 435, 442, 449
			HEAD-MAXILLARY-RIGHT	
			WEEK 66	456, 463, 470, 477, 484, 491, 498, 505C, 512C, 519C, 526C, 533C 540C, 547C, 554C, 559-560C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 45	309, 316, 323, 330, 337, 344
C92441	3	53	SKIN & PELAGE	
			SORE/SCAB	
			DORSAL	316, 323, 330, 337, 344, 351, 358, 365, 367
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 39	267, 274, 281, 288, 295, 302, 309, 316, 323

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92441	3	53	MASS(ES)	
			INGUINAL REGION-LEFT	
			WEEK 48	330C, 337C, 344C, 351C, 358C, 365C, 367C
C92442	M	68	BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	476
			MILD	472, 476
			DISCHARGE	
			NASAL	
			RED IN COLOR	472, 476
			EXCRETION	
			NO FECES	470, 472, 476
			EYES	
			RED DISCHARGE	
			EYES	476
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	470, 472, 476
			YELLOW HAIR COAT	470, 472, 476
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92443	T	105	EXCRETION	
			NONFORMED FECES	582, 589, 596, 603
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 351, 358, 365 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456 463, 470, 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547 554, 561, 568, 575, 610, 617, 624, 631, 638, 645, 652, 659, 666 673, 680, 687, 694, 701, 708, 715, 722, 729-730
			MASS(ES)	
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 40	274, 281, 288, 295, 302, 309, 316, 323, 330, 337, 344
C92444	T	105	SKIN & PELAGE	
			SORE/SCAB	
			PERINEAL AREA	708, 715, 722, 729-730
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547
			MASS(ES)	
			INGUINAL REGION-LEFT	
			WEEK 80	554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638 645, 652, 659, 666, 673, 680, 687, 694, 701, 708C, 715C, 722C

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92444	T	105	MASS(ES)	
			INGUINAL REGION-LEFT	
			WEEK 80	729-730C
			INGUINAL REGION-RIGHT	
			WEEK 92	638C, 645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C 715C, 722C, 729-730C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 101	701C, 708C, 715C, 722C, 729-730C
C92445	M	96	APPEARANCE	
			OBESE	428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603 610, 617, 624, 631, 638, 645, 652, 659, 663-666
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	666
			DISCHARGE	
			NASAL	
			RED IN COLOR	663, 666
			EXCRETION	
			FEW FECES	663-666
			EYES	
			RED DISCHARGE	
			EYE-LEFT	663
			SKIN & PELAGE	
			BROWN HAIR COAT	
			PERINEAL AREA	663-666

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92445	M	96	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421
C92446	M	83	APPEARANCE	
			HEAD TILT	
			RIGHT	575, 579
			THIN	579
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	579
			HYPOACTIVE	
			<UNSPECIFIED>	568, 575, 579
			DISCHARGE	
			NASAL	
			RED IN COLOR	554, 559, 561, 568, 575, 579
			EXCRETION	
			FEW FECES	559, 561
			NO FECES	568, 575, 579
			EYES	
			RED DISCHARGE	
			EYES	554, 559, 561, 568, 575, 579

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92446	M	83	SKIN & PELAGE	
			BROWN HAIR COAT	
			PERINEAL AREA	579
			VENTRAL-ABDOMINAL	561, 568, 575, 579
			RED HAIR COAT	
			HEAD-CRANIAL	559
			YELLOW HAIR COAT	559
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547
C92447	M	92	APPEARANCE	
			THIN	582, 589, 596, 603, 610, 617, 624, 631, 638
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	638
			COLD TO TOUCH	
			ENTIRE BODY	638
			EXCRETION	
			FEW FECES	638
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92447	M	92	NORMAL	
			NO REMARKABLE OBSERVATIONS	295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575
C92448	M	70	APPEARANCE	
			HEAD TILT	
			RIGHT	477, 484
			MALOCCLUSION	323, 484
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 330, 337, 344, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470
C92449	3	53	EYES	
			RED DISCHARGE	
			EYE-LEFT	197, 204, 302, 309, 316, 323, 330, 337, 344
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 211 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 351 358, 365, 367

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92450	M	89	APPEARANCE	
			HEAD TILT	
			LEFT	610, 617, 619
			THIN	610, 617, 619
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	619
			EXCRETION	
			FEW FECES	594, 596, 603, 610, 617, 619
			SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-CERVICAL	547, 554, 561, 568, 575, 582, 589, 594, 596, 603, 610, 617, 619
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 414, 421, 428 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512
			MASS(ES)	
			INGUINAL REGION-RIGHT	
			WEEK 40	274, 281, 288, 295, 302, 309, 316, 323, 330, 337
			VENTRAL-ABDOMINAL	
			WEEK 75	519, 526, 533, 540, 547, 554C, 561C, 568C, 575C, 582C, 589C 594C, 596C, 603C, 610C, 617C, 619C
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 50	344, 351, 358, 365, 372, 379, 386, 393, 400, 407
			VENTRAL-CERVICAL	
			WEEK 75	519, 526, 533, 540, 547, 554, 561, 568, 575

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD / QUALIFIER (GROUP: F9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92450	M	89	MASS(ES)	
			VENTRAL-CERVICAL	
			WEEK 77	533, 540, 547, 554, 561, 568, 575
			WEEK 84	582C, 589C, 594C, 596C, 603C, 610C, 617C, 619C
C92451	T	105	APPEARANCE	
			SWOLLEN	
			PAW-HIND-RIGHT	638, 645, 652, 659
			PAWS-HIND	666, 673, 680, 687, 694, 701, 708, 715, 722, 729-730
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 407 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589 596, 603, 610, 617, 624, 631
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 48	330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400
			INGUINAL REGION-RIGHT	
			WEEK 42	288, 295, 302, 309, 316, 323, 330, 337
C92452	T	105	SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-RIGHT	659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729-730
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92452	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652
C92453	M	100	EXCRETION	
			FEW FECES	649, 652, 659, 666
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	649, 652, 659, 666, 673, 680, 687, 694
			VENTRAL-ABDOMINAL	649, 652, 659, 666, 673, 680, 687, 694
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 456, 463, 470, 477, 484, 491, 498, 505 512, 519, 526, 533, 540, 547
			MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 61	421, 428, 435, 442, 449
			VENTRAL-CERVICAL	
			WEEK 80	554, 561, 568, 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C 631C, 638C, 645C, 649C, 652C, 659C, 666C, 673C, 680C, 687C, 694C

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92454	M	81	BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	566
			EXCRETION	
			FEW FECES	561, 566
			EYES	
			SQUINTED	
			PERI-ORBITAL	566
			SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL	484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 566
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365
			MASS(ES)	
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 61	421C, 428C, 435C, 442C, 449C, 456C, 463C, 470C, 477C, 484C, 491C 498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 566C
			VENTRAL-CERVICAL	
			WEEK 54	372C, 379C, 386C, 393C, 400C, 407C, 414C, 421C, 428C, 435C, 442C 449C, 456C, 463C, 470C, 477C, 484C, 491C, 498C, 505C, 512C, 519C 526C, 533C, 540C, 547C, 554C, 561C, 566C

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92455	M	103	APPEARANCE	
			HEAD TILT	
			LEFT	718
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	718
			EXCRETION	
			FEW FECES	708, 715, 718
			NO FECES	706
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	701, 706, 708, 715, 718
			SHOULDER-LEFT	706, 708, 715, 718
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 101	701C, 706C, 708C, 715C, 718C

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92456	T	105	EXCRETION	
			NONFORMED FECES	722
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 88	610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C, 673C, 680C 687C, 694C, 701C, 708C, 715C, 722C, 729-730C
C92457	M	85	APPEARANCE	
			HEAD TILT	
			RIGHT	582, 589
			THIN	582, 589
			EXCRETION	
			FEW FECES	561, 568
			SKIN & PELAGE	
			BROWN HAIR COAT	
			PERINEAL AREA	582, 589
			RED HAIR COAT	
			HEAD-ENTIRE	568
			YELLOW HAIR COAT	568, 575

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92457	M	85	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 84	582, 589
			INGUINAL REGION-LEFT	
			WEEK 80	554, 561, 568, 575
C92458	M	68	APPEARANCE	
			HUNCHED	465, 470
			THIN	465, 470
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	470
			RECUMBENT	
			LATERAL	470
			EXCRETION	
			FEW FECES	443, 449, 456, 463, 465, 470
			NO FECES	449, 465
			EYES	
			RED DISCHARGE	
			EYE-LEFT	428, 435, 439, 442-443, 449, 456, 463, 465
			EYES	465, 470

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92458	M	68	SKIN & PELAGE	
			BROWN HAIR COAT	
			PERINEAL AREA	443, 449, 456, 463, 465, 470
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 407, 414, 421
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 51	351, 358, 365, 372, 379, 386, 393, 400
C92459	M	100	EXCRETION	
			NONFORMED FECES	582, 589, 596, 603
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 70	484C, 491C, 498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C 561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C 638C, 645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C
			INGUINAL REGION-RIGHT	
			WEEK 92	638C, 645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92460	M	97	APPEARANCE	
			HUNCHED	679
			THIN	666, 673, 679
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	679
			HYPOACTIVE	
			<UNSPECIFIED>	666, 673, 679
			EXCRETION	
			FEW FECES	679
			NONFORMED FECES	575
			EYES	
			RED DISCHARGE	
			EYES	666, 673, 679
			SQUINTED	
			PERI-ORBITAL-LEFT	638, 645, 652, 659, 666, 673, 679
			SKIN & PELAGE	
			BROWN HAIR COAT	
			PERINEAL AREA	505, 512
			SORE/SCAB	
			PAW-HIND-RIGHT	638, 645, 652, 659, 666, 673, 679
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92460	M	97	MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 62	428C, 435C, 442C, 449C, 456C, 463C, 470C, 477C, 484C, 491C, 498C 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C 659C, 666C, 673C, 679C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 64	442C, 449C
C92461	M	61	BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	425
			SENSITIVE TO TOUCH	424-425
			DISCHARGE	
			NASAL	
			RED IN COLOR	421, 424-425
			EXCRETION	
			FEW FECES	421, 424-425
			EYES	
			RED DISCHARGE	
			EYES	424-425
			SKIN & PELAGE	
			PALE	
			ENTIRE BODY	424-425
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92461	M	61	NORMAL	
			NO REMARKABLE OBSERVATIONS	204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414
C92462	M	99	APPEARANCE	
			THIN	673, 680, 687
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	687
			EXCRETION	
			FEW FECES	687
			EYES	
			RED DISCHARGE	
			EYES	687
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER (GROUP: F9 DOSE: 1 PPM)	DAYS 1-730 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92463	1	4	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22-23
C92464	2	14	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C92465	2	14	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C92466	2	14	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C92467	1	4	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22-23
C92468	2	14	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C92469	2	14	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C92470	1	4	NORMAL NO REMARKABLE OBSERVATIONS	1, 8, 15, 22-23

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92403	F9	239	35	MASS(ES) VENTRAL-ABDOMINAL WEEK 35	10 X 10MM
		246 TO 253	36 37	MASS(ES) VENTRAL-ABDOMINAL WEEK 35	20 X 10MM
		260 TO 281	38 41	MASS(ES) VENTRAL-ABDOMINAL WEEK 35	25 X 25MM
		288 TO 302	42 44	MASS(ES) VENTRAL-ABDOMINAL WEEK 35	40 X 40MM
		309	45	MASS(ES) VENTRAL-ABDOMINAL WEEK 35	45 X 40MM
		316 TO 337	46 49	MASS(ES) VENTRAL-ABDOMINAL WEEK 35	15 X 15MM
		344 TO 356	50 51	MASS(ES) VENTRAL-ABDOMINAL WEEK 35	10 X 10MM
C92404	F9	526 TO 540	76 78	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 76	35 X 20MM

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92404	F9	547	79	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 76	40 X 30MM
		554 TO 566	80 81	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 76	50 X 45MM
		505	73	MASS(ES) VENTRAL-CERVICAL-LEFT WEEK 70	10 X 10MM
		512	74	MASS(ES) VENTRAL-CERVICAL-LEFT WEEK 70	15 X 15MM
		519 TO 540	75 78	MASS(ES) VENTRAL-CERVICAL-LEFT WEEK 70	20 X 15MM
		547	79	MASS(ES) VENTRAL-CERVICAL-LEFT WEEK 70	35 X 35MM
		554 TO 566	80 81	MASS(ES) VENTRAL-CERVICAL-LEFT WEEK 70	25 X 25MM
C92405	F9	554 TO 603	80 87	MASS(ES) AXILLARY REGION-LEFT WEEK 79	10 X 10MM

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92405	F9	582	84	MASS(ES)	20 X 20MM
	TO	603	87	INGUINAL REGION-LEFT	
				WEEK 84	
C92408	F9	505	73	MASS(ES)	10 X 10MM
				AXILLARY REGION-RIGHT	
				WEEK 73	
		512	74	MASS(ES)	15 X 15MM
				AXILLARY REGION-RIGHT	
				WEEK 73	
		519	75	MASS(ES)	20 X 25MM
	TO	547	79	AXILLARY REGION-RIGHT	
				WEEK 73	
		554	80	MASS(ES)	30 X 35MM
	TO	575	83	AXILLARY REGION-RIGHT	
				WEEK 73	
		582	84	MASS(ES)	35 X 40MM
	TO	603	87	AXILLARY REGION-RIGHT	
				WEEK 73	
		610	88	MASS(ES)	65 X 45MM
	TO	666	96	AXILLARY REGION-RIGHT	
				WEEK 73	
		673	97	MASS(ES)	65 X 55MM
	TO	687	99	AXILLARY REGION-RIGHT	
				WEEK 73	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92408	F9	694	100	MASS(ES)	70 X 70MM
		TO 708	102	AXILLARY REGION-RIGHT	
				WEEK 73	
		715	103	MASS(ES)	85 X 85MM
				AXILLARY REGION-RIGHT	
				WEEK 73	
		722	104	MASS(ES)	100 X 85MM
		TO 722	104	AXILLARY REGION-RIGHT	
				WEEK 73	
		722	104	MASS(ES)	100 X 85MM
				AXILLARY REGION-RIGHT	
				WEEK 73	
		638	92	MASS(ES)	30 X 40MM
		TO 680	98	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 92	
		687	99	MASS(ES)	10 X 10MM
		TO 708	102	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 92	
		715	103	MASS(ES)	30 X 20MM
				VENTRAL-ABDOMINAL-RIGHT	
				WEEK 92	
		722	104	MASS(ES)	35 X 20MM
		TO 722	104	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 92	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92408	F9	722	104	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 92	35 X 20MM
C92409	F9	519	75	MASS(ES) AXILLARY REGION-RIGHT WEEK 74	10 X 10MM
	TO	547	79		
		554	80	MASS(ES) AXILLARY REGION-RIGHT WEEK 74	15 X 15MM
	TO	568	82		
		575	83	MASS(ES) AXILLARY REGION-RIGHT WEEK 74	15 X 20MM
		582	84	MASS(ES) AXILLARY REGION-RIGHT WEEK 74	20 X 20MM
	TO	603	87		
		610	88	MASS(ES) AXILLARY REGION-RIGHT WEEK 74	25 X 25MM
	TO	631	91		
		638	92	MASS(ES) AXILLARY REGION-RIGHT WEEK 74	30 X 30MM
	TO	673	97		
		679	97	MASS(ES) AXILLARY REGION-RIGHT WEEK 74	40 X 40MM
	TO	691	99		

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92409	F9	519	75	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 75	20 X 35MM
		526 TO 554	76 80	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 75	30 X 35MM
C92410	F9	729 TO 730	105 105	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 103	10 X 10MM
		610 TO 708	88 102	MASS(ES) VENTRAL-CERVICAL WEEK 88	20 X 25MM
		715 TO 722	103 104	MASS(ES) VENTRAL-CERVICAL WEEK 88	30 X 30MM
		729 TO 730	105 105	MASS(ES) VENTRAL-CERVICAL WEEK 88	40 X 35MM
C92411	F9	302	44	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 44	30 X 10MM
		309 TO 323	45 47	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 44	10 X 10MM

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92411	F9	330	48	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 44	15 X 10MM
		337	49	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 44	15 X 10MM
C92413	F9	666	96	MASS(ES) AXILLARY REGION-RIGHT WEEK 96	55 X 50MM
	TO	710	102		
C92414	F9	260	38	MASS(ES) LIMB-FRONT-RIGHT WEEK 35	20 X 20MM
		267	39	MASS(ES) LIMB-FRONT-RIGHT WEEK 35	40 X 25MM
	TO	281	41		
		288	42	MASS(ES) PAW-HIND-RIGHT WEEK 42	65 X 45MM
	TO	295	43		
		309	45	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 44	70 X 50MM
	TO	337	49		
		344	50	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 44	70 X 60MM
	TO	365	53		

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92414	F9	372	54	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 44	90 X 70MM
		379 TO 407	55 59	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 44	95 X 80MM
		414 TO 435	60 63	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 44	100 X 80MM
C92416	F9	582 TO 603	84 87	MASS(ES) INGUINAL REGION-RIGHT WEEK 84	20 X 20MM
		519 TO 547	75 79	MASS(ES) TAIL-PROXIMAL WEEK 75	10 X 10MM
		554 TO 708	80 102	MASS(ES) TAIL-PROXIMAL WEEK 75	10 X 15MM
		715 TO 730	103 105	MASS(ES) TAIL-PROXIMAL WEEK 75	20 X 15MM
C92419	F9	701 TO 715	101 103	MASS(ES) AXILLARY REGION-RIGHT WEEK 101	20 X 20MM

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92419	F9	722	104	MASS(ES)	25 X 25MM
	TO	730	105	AXILLARY REGION-RIGHT	
				WEEK 101	
C92420	F9	407	59	MASS(ES)	15 X 15MM
				AXILLARY REGION-RIGHT	
				WEEK 59	
		414	60	MASS(ES)	25 X 20MM
	TO	421	61	AXILLARY REGION-RIGHT	
				WEEK 59	
		428	62	MASS(ES)	25 X 30MM
	TO	435	63	AXILLARY REGION-RIGHT	
				WEEK 59	
		442	64	MASS(ES)	45 X 20MM
				AXILLARY REGION-RIGHT	
				WEEK 59	
		449	65	MASS(ES)	35 X 55MM
				AXILLARY REGION-RIGHT	
				WEEK 59	
		456	66	MASS(ES)	35 X 40MM
	TO	470	68	AXILLARY REGION-RIGHT	
				WEEK 59	
		477	69	MASS(ES)	40 X 50MM
				AXILLARY REGION-RIGHT	
				WEEK 59	

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92420	F9	484	70	MASS(ES) AXILLARY REGION-RIGHT WEEK 59	40 X 50MM
		491	71	MASS(ES) AXILLARY REGION-RIGHT WEEK 59	40 X 50MM
		498	72	MASS(ES) AXILLARY REGION-RIGHT WEEK 59	40 X 50MM
		505	73	MASS(ES) AXILLARY REGION-RIGHT WEEK 59	55 X 60MM
		505	73	MASS(ES) AXILLARY REGION-RIGHT WEEK 59	55 X 60MM
		505	73	MASS(ES) AXILLARY REGION-RIGHT WEEK 59	40 X 50MM
		386	56	MASS(ES) VENTRAL-ABDOMINAL WEEK 56	15 X 15MM
		TO 400	58		
C92425	F9	638	92	MASS(ES) INGUINAL REGION-LEFT WEEK 92	25 X 20MM
		TO 680	98		

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92425	F9	687	99	MASS(ES)	30 X 25MM
	TO	694	100	INGUINAL REGION-LEFT	
				WEEK 92	
		582	84	MASS(ES)	10 X 10MM
	TO	631	91	INGUINAL REGION-RIGHT	
				WEEK 84	
		638	92	MASS(ES)	25 X 40MM
	TO	666	96	INGUINAL REGION-RIGHT	
				WEEK 84	
		673	97	MASS(ES)	50 X 50MM
	TO	694	100	INGUINAL REGION-RIGHT	
				WEEK 84	
C92426	F9	575	83	MASS(ES)	10 X 10MM
	TO	730	105	DORSAL	
				WEEK 83	
		701	101	MASS(ES)	40 X 40MM
	TO	708	102	VENTRAL-ABDOMINAL-LEFT	
				WEEK 101	
		715	103	MASS(ES)	60 X 45MM
				VENTRAL-ABDOMINAL-LEFT	
				WEEK 101	
		722	104	MASS(ES)	70 X 65MM
	TO	730	105	VENTRAL-ABDOMINAL-LEFT	
				WEEK 101	

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92427	F9	190	28	MASS(ES) AXILLARY REGION-RIGHT WEEK 28	20 X10MM
		197 TO 204	29 30	MASS(ES) AXILLARY REGION-RIGHT WEEK 28	20 X 20MM
		211 TO 218	31 32	MASS(ES) AXILLARY REGION-RIGHT WEEK 28	30 X 30MM
		225 TO 232	33 34	MASS(ES) AXILLARY REGION-RIGHT WEEK 28	45 X 35MM
		239 TO 281	35 41	MASS(ES) AXILLARY REGION-RIGHT WEEK 28	50 X 45MM
		288 TO 309	42 45	MASS(ES) AXILLARY REGION-RIGHT WEEK 28	75 X 70MM
		316 TO 337	46 49	MASS(ES) AXILLARY REGION-RIGHT WEEK 28	110 X 95MM
		344 TO 365	50 53	MASS(ES) AXILLARY REGION-RIGHT WEEK 28	100 X 70MM

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92427	F9	372	54	MASS(ES) AXILLARY REGION-RIGHT WEEK 28	100 X 90MM
		379 TO 435	55 63	MASS(ES) AXILLARY REGION-RIGHT WEEK 55	110 X 100MM
C92428	F9	351 TO 365	51 53	MASS(ES) AXILLARY REGION-LEFT WEEK 51	20 X 20MM
		372	54	MASS(ES) AXILLARY REGION-LEFT WEEK 51	25 X 25MM
		379 TO 407	55 59	MASS(ES) AXILLARY REGION-LEFT WEEK 51	40 X 30MM
		414 TO 421	60 61	MASS(ES) AXILLARY REGION-LEFT WEEK 51	75 X 60MM
		428 TO 428	62 62	MASS(ES) AXILLARY REGION-LEFT WEEK 51	85 X 75MM
		428	62	MASS(ES) AXILLARY REGION-LEFT WEEK 51	85 X 75MM

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92428	F9	260	38	MASS(ES)	20 X 15MM
	TO	267	39	VENTRAL-CERVICAL-LEFT	
				WEEK 38	
		274	40	MASS(ES)	20 X 20MM
	TO	281	41	VENTRAL-CERVICAL-LEFT	
				WEEK 38	
		288	42	MASS(ES)	25 X 30MM
	TO	337	49	VENTRAL-CERVICAL-LEFT	
				WEEK 38	
C92430	F9	708	102	MASS(ES)	30 X 35MM
	TO	715	103	VENTRAL-ABDOMINAL	
				WEEK 102	
		722	104	MASS(ES)	40 X 40MM
	TO	730	105	VENTRAL-ABDOMINAL	
				WEEK 102	
C92431	F9	687	99	MASS(ES)	20 X 10MM
	TO	694	100	AXILLARY REGION-RIGHT	
				WEEK 96	
		701	101	MASS(ES)	30 X 30MM
	TO	722	104	AXILLARY REGION-RIGHT	
				WEEK 96	
		729	105	MASS(ES)	40 X 30MM
	TO	730	105	AXILLARY REGION-RIGHT	
				WEEK 96	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92431	F9	659	95	MASS(ES)	20 X 20MM
	TO	666	96	INGUINAL REGION-LEFT	
				WEEK 95	
		673	97	MASS(ES)	35 X 35MM
	TO	687	99	INGUINAL REGION-LEFT	
				WEEK 95	
		694	100	MASS(ES)	40 X 40MM
				INGUINAL REGION-LEFT	
				WEEK 95	
		701	101	MASS(ES)	50 X 50MM
	TO	730	105	INGUINAL REGION-LEFT	
				WEEK 95	
C92432	F9	449	65	MASS(ES)	10 X 10MM
	TO	463	67	VENTRAL-THORACIC-LEFT	
				WEEK 65	
		470	68	MASS(ES)	20 X 20MM
	TO	477	69	VENTRAL-THORACIC-LEFT	
				WEEK 65	
		484	70	MASS(ES)	30 X 30MM
	TO	498	72	VENTRAL-THORACIC-LEFT	
				WEEK 65	
		505	73	MASS(ES)	40 X 40MM
				VENTRAL-THORACIC-LEFT	
				WEEK 65	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92432	F9	512	74	MASS(ES)	45 X 45MM
	TO	519	75	VENTRAL-THORACIC-LEFT	
				WEEK 65	
		526	76	MASS(ES)	50 X 45MM
	TO	537	77	VENTRAL-THORACIC-LEFT	
				WEEK 65	
C92434	F9	379	55	MASS(ES)	30 X 35MM
	TO	407	59	SHOULDER-RIGHT	
				WEEK 55	
		414	60	MASS(ES)	45 X 35MM
	TO	442	64	SHOULDER-RIGHT	
				WEEK 55	
		449	65	MASS(ES)	60 X 40MM
	TO	477	69	SHOULDER-RIGHT	
				WEEK 55	
		484	70	MASS(ES)	60 X 50MM
	TO	498	72	SHOULDER-RIGHT	
				WEEK 55	
		505	73	MASS(ES)	70 X 55MM
	TO	519	75	SHOULDER-RIGHT	
				WEEK 55	
		526	76	MASS(ES)	75 X 55MM
	TO	547	79	SHOULDER-RIGHT	
				WEEK 55	

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92434	F9	554	80	MASS(ES)	75 X 60MM
	TO	617	89	SHOULDER-RIGHT	
				WEEK 55	
		624	90	MASS(ES)	80 X 65MM
	TO	633	91	SHOULDER-RIGHT	
				WEEK 55	
		505	73	MASS(ES)	10 X 10MM
				VENTRAL-ABDOMINAL-LEFT	
				WEEK 61	
		484	70	MASS(ES)	10 X 10MM
	TO	498	72	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 70	
		505	73	MASS(ES)	20 X 20MM
				VENTRAL-ABDOMINAL-RIGHT	
				WEEK 70	
		512	74	MASS(ES)	25 X 25MM
	TO	540	78	VENTRAL-ABDOMINAL-RIGHT	POSTERIOR
				WEEK 70	
		547	79	MASS(ES)	30 X 30MM
	TO	596	86	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 70	
		603	87	MASS(ES)	35 X 35MM
	TO	617	89	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 70	

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	STUDY WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92434	F9	624	90	MASS(ES)	40 X 50MM
	TO	633	91	VENTRAL-ABDOMINAL-RIGHT	ANTERIOR
				WEEK 70	
		512	74	MASS(ES)	15 X 15
	TO	519	75	VENTRAL-ABDOMINAL-RIGHT	ANTERIOR
				WEEK 74	
		526	76	MASS(ES)	20 X 20MM
	TO	540	78	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 74	
		547	79	MASS(ES)	40 X 30MM
				VENTRAL-ABDOMINAL-RIGHT	
				WEEK 74	
		554	80	MASS(ES)	50 X 40MM
	TO	575	83	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 74	
		582	84	MASS(ES)	60 X 40MM
	TO	596	86	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 74	
		603	87	MASS(ES)	70 X 50MM
	TO	617	89	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 74	
		624	90	MASS(ES)	100 X 75MM
	TO	633	91	VENTRAL-ABDOMINAL-RIGHT	POSTERIOR
				WEEK 74	

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92436	F9	512	74	MASS(ES) AXILLARY REGION-LEFT WEEK 74	10 X 10MM
		519 TO 547	75 79	MASS(ES) AXILLARY REGION-LEFT WEEK 74	20 X 20MM
		554 TO 568	80 82	MASS(ES) AXILLARY REGION-LEFT WEEK 74	35 X 35MM
		575	83	MASS(ES) AXILLARY REGION-LEFT WEEK 74	35 X 40MM
		582 TO 666	84 96	MASS(ES) AXILLARY REGION-LEFT WEEK 74	40 X 50MM
		456 TO 470	66 68	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 66	15 X 10MM
		477 TO 505	69 73	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 66	20 X 20MM
		512	74	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 66	25 X 30MM

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92436	F9	519	75	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 66	30 X 30MM
		526	76	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 66	35 X 35MM
		533	77	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 66	35 X 35MM
		540	78	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 66	35 X 35MM
		547	79	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 66	35 X 35MM
		554 TO 631	80 91	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 66	45 X 45MM
		638 TO 645	92 93	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 66	50 X 50MM
		652 TO 666	94 96	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 66	50 X 60MM

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92437	F9	232	34	MASS(ES)	20 X 10MM
	TO	253	37	VENTRAL-ABDOMINAL-LEFT	
				WEEK 34	
		260	38	MASS(ES)	30 X 15MM
	TO	281	41	VENTRAL-ABDOMINAL-LEFT	
				WEEK 34	
		288	42	MASS(ES)	35 X 20MM
	TO	309	45	VENTRAL-ABDOMINAL-LEFT	
				WEEK 34	
		316	46	MASS(ES)	45 X 30MM
	TO	337	49	VENTRAL-ABDOMINAL-LEFT	
				WEEK 34	
		344	50	MASS(ES)	30 X 20MM
	TO	348	50	VENTRAL-ABDOMINAL-LEFT	
				WEEK 34	
C92438	F9	302	44	MASS(ES)	10 X 10MM
	TO	367	53	VENTRAL-ABDOMINAL	
				WEEK 44	
C92440	F9	505	73	MASS(ES)	10 X 10MM
	TO	560	80	HEAD-MAXILLARY-RIGHT	
				WEEK 66	
C92441	F9	330	48	MASS(ES)	20 X 15MM
	TO	367	53	INGUINAL REGION-LEFT	
				WEEK 48	

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92444	F9	708	102	MASS(ES) INGUINAL REGION-LEFT WEEK 80	10 X 10MM
		715 TO 730	103 TO 105	MASS(ES) INGUINAL REGION-LEFT WEEK 80	20 X 20MM
		638 TO 666	92 TO 96	MASS(ES) INGUINAL REGION-RIGHT WEEK 92	15 X 15MM
		673	97	MASS(ES) INGUINAL REGION-RIGHT WEEK 92	20 X 30MM
		680 TO 687	98 TO 99	MASS(ES) INGUINAL REGION-RIGHT WEEK 92	30 X 30MM
		694 TO 730	100 TO 105	MASS(ES) INGUINAL REGION-RIGHT WEEK 92	35 X 35MM
		701 TO 722	101 TO 104	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 101	40 X 40MM
		729 TO 730	105 TO 105	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 101	55 X 50MM

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92450	F9	554	80	MASS(ES)	10 X 10MM
	TO	561	81	VENTRAL-ABDOMINAL WEEK 75	
		568	82	MASS(ES)	20 X 20MM
	TO	619	89	VENTRAL-ABDOMINAL WEEK 75	
		582	84	MASS(ES)	30 X 30MM
	TO	619	89	VENTRAL-CERVICAL WEEK 84	
C92453	F9	575	83	MASS(ES)	10 X 10MM
	TO	631	91	VENTRAL-CERVICAL WEEK 80	
		638	92	MASS(ES)	20 X 30MM
	TO	680	98	VENTRAL-CERVICAL WEEK 80	
		687	99	MASS(ES)	30 X 30MM
	TO	694	100	VENTRAL-CERVICAL WEEK 80	
C92454	F9	421	61	MASS(ES)	20 X 15MM
	TO	442	64	VENTRAL-ABDOMINAL-RIGHT WEEK 61	
		449	65	MASS(ES)	40 X 25MM
				VENTRAL-ABDOMINAL-RIGHT WEEK 61	

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92454	F9	456	66	MASS(ES)	15 X 15MM
		TO 463	67	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 61	
		470	68	MASS(ES)	20 X 20MM
		TO 498	72	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 61	
		505	73	MASS(ES)	30 X 25MM
		TO 519	75	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 61	
		526	76	MASS(ES)	25 X 25MM
		TO 566	81	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 61	
		372	54	MASS(ES)	10 X 10MM
				VENTRAL-CERVICAL	
				WEEK 54	
		379	55	MASS(ES)	25 X 25MM
		TO 407	59	VENTRAL-CERVICAL	
				WEEK 54	
		414	60	MASS(ES)	30 X 30MM
		TO 442	64	VENTRAL-CERVICAL	
				WEEK 54	
		449	65	MASS(ES)	40 X 25MM
		TO 477	69	VENTRAL-CERVICAL	
				WEEK 54	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92454	F9	484	70	MASS(ES)	40 X 35MM
	TO	519	75	VENTRAL-CERVICAL	
				WEEK 54	
		526	76	MASS(ES)	40 X 40MM
	TO	566	81	VENTRAL-CERVICAL	
				WEEK 54	
C92455	F9	701	101	MASS(ES)	45 X 40MM
	TO	718	103	AXILLARY REGION-LEFT	
				WEEK 101	
C92456	F9	610	88	MASS(ES)	10 X 10MM
	TO	631	91	AXILLARY REGION-RIGHT	
				WEEK 88	
		638	92	MASS(ES)	25 X 25MM
	TO	687	99	AXILLARY REGION-RIGHT	
				WEEK 88	
		694	100	MASS(ES)	45 X 30MM
	TO	708	102	AXILLARY REGION-RIGHT	
				WEEK 88	
		715	103	MASS(ES)	45 X 40MM
	TO	730	105	AXILLARY REGION-RIGHT	
				WEEK 88	
C92459	F9	484	70	MASS(ES)	10 X 10MM
	TO	498	72	AXILLARY REGION-RIGHT	
				WEEK 70	

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92459	F9	505	73	MASS(ES)	20 X 20MM
	TO	519	75	AXILLARY REGION-RIGHT	
				WEEK 70	
		526	76	MASS(ES)	25 X 25MM
	TO	547	79	AXILLARY REGION-RIGHT	
				WEEK 70	
		554	80	MASS(ES)	35 X 35MM
	TO	694	100	AXILLARY REGION-RIGHT	
				WEEK 70	
		638	92	MASS(ES)	20 X 30MM
	TO	673	97	INGUINAL REGION-RIGHT	
				WEEK 92	
		680	98	MASS(ES)	30 X 30MM
	TO	694	100	INGUINAL REGION-RIGHT	
				WEEK 92	
C92460	F9	428	62	MASS(ES)	30 X 30MM
	TO	449	65	VENTRAL-ABDOMINAL	
				WEEK 62	
		456	66	MASS(ES)	30 X 40MM
	TO	498	72	VENTRAL-ABDOMINAL	
				WEEK 62	
		505	73	MASS(ES)	30 X 30MM
	TO	519	75	VENTRAL-ABDOMINAL	
				WEEK 62	

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Individual Clinical Observations

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92460	F9	526	76	MASS(ES)	35 X 30MM
	TO	547	79	VENTRAL-ABDOMINAL WEEK 62	
		554	80	MASS(ES)	40 X 30MM
	TO	582	84	VENTRAL-ABDOMINAL WEEK 62	
		589	85	MASS(ES)	40 X 35MM
	TO	679	97	VENTRAL-ABDOMINAL WEEK 62	
		442	64	MASS(ES)	10 X 10MM
	TO	449	65	VENTRAL-ABDOMINAL-RIGHT WEEK 64	

APPENDIX 3

Individual Body Weight Data (g)

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Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 8 - 0 PPM										
C92191	205	255	297	332	355	370	383	398	414	423
C92192	194	246	302	349						
C92193	204	261	307	352	381	411	431	450	465	475
C92194	192	252	301	345	376	400	424	435	454	468
C92195	181	228	267	305	330	358	380	399	413	430
C92196	199	258	300	338						
C92197	234	285	332	373	402	433	451	467	484	504
C92198	201	251	298	338	366	396	415	420	416	440
C92199	163	205	244	283	311	339	361	377	392	406
C92200	166	221	275	324	350	377	396	407	424	449
C92201	218	269	310	346	375	405	427	442	461	472
C92202	184	241	286	322	347	373	393	413	422	442
C92203	215	275	327	377	415	450	472	488	503	524
C92204	208	252	288	319	349	367	384	398	412	426
C92205	215	279	349	405	445	485	523	545	572	595
C92206	187	241	294	332	357	392	416	431	458	483
C92207	217	273	318	353						
C92208	222	273	327	363	391	425	451	462	477	490
C92209	172	218	260	297	330	361	385	398	420	370
C92210	209	278	330	382	409	445	472	486	505	501
C92211	174	233	276	319	353	378	403	418	431	443
C92212	204	246	280	309	328	343	356	367	371	383
C92213	204	253	304	349	381	409	423	444	454	469
C92214	209	268	322	372	411	442	471	491	517	539
C92215	214	263	306	345	381	405	436	464	480	504
C92216	193	248	290	339						
C92217	200	256	310	355	385	415	436	455	472	487
C92218	182	236	288	333	361	386	401	412	426	447
C92219	226	289	354	397	437	476	505	519	544	568
C92220	215	276	326	363	395	419	443	458	477	498
C92221	170	220	268	305	329	348	361	371	380	388

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Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 8 - 0 PPM										
C92222	206	265	304	347	380	412	429	455	468	477
C92223	194	246	291	331	358	384	405	418	437	453
C92224	220	279	327	376	409	437	462	482	501	515
C92225	180	230	283	329	357	384	411	431	450	472
C92226	209	259	296	337	370	395	417	438	459	468
C92227	188	252	300	346	387	417	444	468	481	495
C92228	185	236	282	321	344	372	394	409	423	444
C92229	198	255	314	366	405	435	461	487	503	527
C92230	176	235	293	347	375	409	445	466	482	470
C92231	204	260	316	363	395	426	458	464	478	493
C92232	234	302	355	396	440	472	501	520	542	566
C92233	180	233	280	319	353	380	409	422	435	453
C92234	219	276	333	376	410	434	456	479	501	524
C92235	203	249	279	305	321	345	364	376	394	415
C92236	199	246	287	320	345	366	384	394	411	423
C92237	225	293	354	399	437	471	495	517	533	553
C92238	236	289	334	376	412	437	455	477	489	507
C92239	221	276	324	360	386	414	446	470	485	510
C92240	211	269	324	364	395	415	445	466	491	509
C92241	185	240	283	318	344	368	389	402	416	431
C92242	199	262	319	366	401	438	460	482	500	520
C92243	220	281	340	387	422	459	488	506	525	547
C92244	204	260	317	361	399	432	463	484	511	538
C92245	226	290	344	388	421	447	469	493	519	541
C92246	182	234	287	327	341	357	379	395	414	427
C92247	235	298	355	402	431	464	496	515	538	562
C92248	227	285	335	382	417	449	479	506	522	545
C92249	213	272	324	357	374	398	418	434	457	473
C92250	200	261	312	354	388	421	447	470	488	503
C92251	212	271	328	364	394	424	447	459	480	492
C92252	175	232	283	315	339	362	394	411	428	438

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Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 8 - 0 PPM										
C92253	225	285	335	374	402	426	456	483	506	522
C92254	231	288	338	386	422	456	477	498	518	540
C92255	174	235	288	327	345	360	372	378	395	409
C92256	213	281	333	387	420	451	475	494	522	537
C92257	227	289	341	388	418	448	478	494	515	525
C92258	195	256	309	356	392	430	456	479	497	507
C92259	228	290	335	379						
C92260	215	273	322	368	391	412	438	452	470	487
GROUP: MALE 9 - 1 PPM										
C92261	185	237	282	323	351	376	396	408	424	436
C92262	213	272	331	382	419	453	479	492	515	527
C92263	224	287	332	376	405	436	470	493	513	530
C92264	199	255	307	353						
C92265	236	301	353	399	430	465	479	468	490	516
C92266	176	224	271	315	345	382	404	412	434	454
C92267	223	276	322	359	388	408	425	436	445	463
C92268	228	293	354	401	449	490	517	552	577	604
C92269	193	254	318	368	409	439	471	491	510	527
C92270	211	267	292	304	319	338	360	378	394	412
C92271	236	296	353	402	443	477	511	531	552	573
C92272	181	235	278	310	340	367	385	400	416	432
C92273	191	258	312	365	403	438	468	489	510	513
C92274	184	239	291	334	364	396	423	439	453	468
C92275	187	238	280	318	342	366	382	397	410	425
C92276	178	229	275	320	355	391	419	432	453	466
C92277	216	274	331	376	418	453	486	506	528	553
C92278	215	277	326	358	380	398	421	439	456	478
C92279	205	256	297	340	371	403	428	446	462	482
C92280	199	256	307	344						

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Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 9 - 1 PPM										
C92281	209	256	300	341	380	402	424	442	460	483
C92282	190	247	300	341	376	411	438	453	470	482
C92283	200	250	293	330	360	391	419	436	447	465
C92284	216	277	319	352						
C92285	208	280	341	389	433	465	500	524	545	570
C92286	219	272	317	351	389	424	443	468	484	502
C92287	198	262	314	359	395	429	456	472	489	499
C92288	221	282	332	374	412	439	466	486	503	526
C92289	195	256	307	351	384	417	446	459	480	500
C92290	207	259	304	342	370	393	407	430	444	467
C92291	197	257	304	337	365	388	406	414	427	440
C92292	183	226	263	290	317	346	370	383	397	409
C92293	206	262	303	346	377	410	431	447	469	485
C92294	214	272	315	346	375	403	424	438	464	489
C92295	188	251	308	362	402	436	467	482	507	524
C92296	180	234	275	314	342	371	398	418	437	450
C92297	171	221	267	301	332	357	372	382	397	404
C92298	222	285	343	392	439	479	513	529	552	568
C92299	180	232	269	309	338	365	383	398	407	426
C92300	214	267	319	353						
C92301	218	285	331	370	393	432	460	468	493	507
C92302	220	287	352	411	456	501	538	564	587	612
C92303	196	253	301	348	380	416	441	455	471	489
C92304	215	283	338	376	407	438	465	480	502	521
C92305	225	289	343	378	409	432	461	483	510	512
C92306	213	275	325	363	392	421	436	451	465	480
C92307	165	222	268	310	344	380	405	426	446	470
C92308	169	226	274	308	333	354	375	385	406	420
C92309	213	271	315	357	373	390	413	423	445	458
C92310	212	275	336	384	425	459	496	505	531	551
C92311	213	273	323	360	384	425	448	465	483	500

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Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 9 - 1 PPM										
C92312	213	262	293	331	346	368	380	393	406	419
C92313	225	281	325	357	378	402	436	448	470	488
C92314	240	291	339	378	396	424	440	454	467	482
C92315	205	269	328	365	399	425	450	465	482	503
C92316	190	243	290	327	361	385	406	420	441	458
C92317	226	282	334	364	409	442	471	484	500	525
C92318	167	227	275	324	362	398	425	437	456	471
C92319	202	267	317	364	390	419	436	450	462	481
C92320	189	248	298	340	373	406	437	458	474	489
C92321	172	227	270	306	337	366	382	393	405	416
C92322	170	227	267	303	334	362	384	400	413	428
C92323	199	266	318	369	416	446	480	495	518	541
C92324	220	275	321	360	389	422	439	455	477	488
C92325	228	291	344	392	437	469	504	532	552	573
C92326	170	226	286	327	366	401	425	437	460	480
C92327	210	272	322	362	394	417	440	457	471	483
C92328	194	255	309	346	384	415	439	463	477	490
C92329	167	218	271	314						
C92330	229	288	339	381	424	450	474	500	517	535
GROUP: FEMALE 8 - 0 PPM										
C92331	144	175	200	217	236	254	251	267	279	281
C92332	146	179	194	209						
C92333	142	162	186	210	216	225	241	246	249	249
C92334	150	181	209	224	250	263	274	288	289	306
C92335	160	175	207	232	240	256	272	286		
C92336	149	166	182	202	217	231	236	250	260	262
C92337	156	186	213	234	254	260	278	285	296	309
C92338	167	188	198	226	233	251	260	260	269	276
C92339	160	184	215	239	250	281	290	306	313	324

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Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 8 - 0 PPM										
C92340	159	187	202	223	238	255	268	268	287	288
C92341	173	202	230	243	267	277	290	301	302	316
C92342	143	179	201	220	233	240	260	258	270	278
C92343	150	186	209	232	255	256	279	288	292	295
C92344	137	162	186	198	219	235	237	243	250	254
C92345	165	190	219	251	276	293	300		334	345
C92346	156	180	211	230	244	255	271	281	285	285
C92347	142	165	180	198	208	218	223	229	232	241
C92348	143	170	181	214	224	224	241	247	258	261
C92349	136	160	199	228	241	265	275	292	310	304
C92350	154	183	212	238	256	260	269	285	292	292
C92351	140	161	180	190	208	216	217	224	236	242
C92352	162	198	221	236						
C92353	165	194	209	236	252	260	273	274	282	288
C92354	154	172	197	212	237	255	261	268	275	283
C92355	146	175	195	219						
C92356	163	192	200	220	250	265	289	278	281	271
C92357	147	174	208	238	258	277	301	317	327	330
C92358	159	188	221	234	246	263	265	280	275	288
C92359	147	178	193	205	225	241	252	255	261	270
C92360	163	204	238	263	271	289	314	319	330	333
C92361	156	179	188	207	219	233	238	252	265	264
C92362	129	153	162	191	211	223	219	239	251	253
C92363	161	194	216	246	261	277	289	292	304	306
C92364	137	159	180	188	203	215	219	230	237	240
C92365	162	192	204	234	243	252	263	274	284	282
C92366	162	181	219	241						
C92367	141	169	191	204	221	231	242	249	256	255
C92368	158	203	226	266	278	303	303	319	339	344
C92369	160	181	199	225	245	263	271	284	299	304
C92370	160	177	187	219	236	239	242	258	270	278

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Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 8 - 0 PPM										
C92371	151	180	198	227	237	265	274	279	294	301
C92372	156	187	214	252	247	277	293	312	315	308
C92373	151	172	186	205						
C92374	151	184	206	218	246	260	265	283	290	299
C92375	167	195	228	266	271	284	302	320	332	334
C92376	140	162	184	199	209	216	223	228	227	229
C92377	158	185	222	232	259	277	292	298	314	318
C92378	154	181	195	228	243	252	259	272	283	286
C92379	133	162	184	203	221	229	240	247	253	256
C92380	142	180	205	224	249	253	276	283	294	311
C92381	179	209	224	257	272	285	290	300	312	315
C92382	146	181	196	205	222	235	245	250	268	272
C92383	161	194	223	236	260	277	284	297	302	320
C92384	147	169	200	218	232	244	263	273	277	280
C92385	169	190	217	234	260	283	279	300	305	312
C92386	138	160	181	199	208	226	237	242	243	255
C92387	154	179	205	231	236	264	259	273	297	299
C92388	152	185	205	227	241	260	268	278	278	283
C92389	140	166	190	205	226	240	246	256	263	275
C92390	137	139	166	181	194	208	206	226	228	229
C92391	175	210	232	264	284	297	310	315	330	328
C92392	140	170	187	209	221	226	241	239	247	250
C92393	163	201	230	266	263	275	278	297	311	333
C92394	168	197	209	237	244	258	267	272	278	291
C92395	153	184	207	225	239	253	269	273	276	286
C92396	151	171	186	217	231	242	248	265	272	277
C92397	138	161	193	221	235	253	262	274	287	290
C92398	147	175	205	234	250	259	276	276	290	295
C92399	148	177	191	211	227	227	242	244	253	264
C92400	151	171	190	222	235	242	252	264	276	274

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Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 9 - 1 PPM										
C92401	164	189	214	240	250	276	294	305	309	328
C92402	147	177	205	221						
C92403	163	190	214	245	251	278	285	299	308	309
C92404	149	181	207	222	250	262	277	288	287	305
C92405	159	177	207	223	234	245	257	263	265	265
C92406	150	177	187	214	217	236	242	252	260	269
C92407	150	173	209	224	247	270	283	289	302	303
C92408	145	171	199	218	233	247	256	258	272	277
C92409	162	183	205	224	231	242	253	264	267	269
C92410	169	191	219	233	247	260	263	276	281	285
C92411	147	182	213	233	248	268	274	280	293	303
C92412	150	184	206	227	245	244	268	267	278	284
C92413	171	196	211	241	253	270	274	292	301	316
C92414	174	198	220	237	261	275	284	288	305	303
C92415	155	179	210	240	250	276	280	288	303	319
C92416	144	169	194	212	220	240	247	252	250	257
C92417	149	176	208	228	252	270	272	277	284	299
C92418	154	189	210	235	248	265	278	277	284	296
C92419	159	185	213	223	249	260	252	269	276	282
C92420	156	185	211	224	254	267	279	285	297	304
C92421	165	190	214	231	243	256	265	268	277	284
C92422	149	163	196	210	224	231	246	255	260	264
C92423	147	175	201	211	238	255	262	261	278	285
C92424	157	184	195	220	234	244	243	260	267	279
C92425	144	179	203	221	228	244	255	256	263	268
C92426	126	158	181	191	211	223	230	237	248	251
C92427	155	169	198	205	220	238	241	240	252	260
C92428	172	195	208	241	256	272	272	289	298	299
C92429	141	166	186	204	217	232	243	248	258	262
C92430	157	195	217	234	244	265	280	283	285	294
C92431	158	189	213	234	244	264	274	288	288	311

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Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 9 - 1 PPM										
C92432	139	164	182	195	210	223	228	232	240	246
C92433	136	171	185	218	229	249	254	259	268	271
C92434	150	174	187	220	213	231	237	246	256	252
C92435	168	212	252	269						
C92436	132	159	173	201	207	230	231	245	244	256
C92437	155	181	197	211	222	239	249	254	257	271
C92438	146	174	199	224	234	239	257	260	271	278
C92439	145	173	205	223	238	254	266	264	278	290
C92440	150	179	196	215	230	245	250	263	263	275
C92441	163	173	212	228	241	255	262	261	269	278
C92442	166	195	208	244	262	281	284	317	325	335
C92443	164	198	223	246	258	279	294	308	314	314
C92444	144	169	184	206	217	230	238	247	250	258
C92445	146	179	228	253	274	310	319	339	348	350
C92446	155	178	197	223	249	264	272	288	296	299
C92447	166	193	226	249	266	279	296	EXCLUDE	307	313
C92448	171	192	232	235	271	281	291	303	298	316
C92449	136	162	179	204	219	229	234	244	254	258
C92450	177	209	220	248	268	278	291	302	296	314
C92451	154	171	198	209	235	247	258	248	254	264
C92452	156	177	203	221	235	246	263	271	275	277
C92453	158	184	199	224	238	257	259	266	271	279
C92454	164	191	220	243	256	263	279	285	289	291
C92455	146	174	193	207	224	245	252	252	268	271
C92456	133	158	178	196	205	220	225	230	237	238
C92457	149	183	203	229	233	253	269	259	267	286
C92458	147	172	195	209	222	240	252	253	262	265
C92459	139	160	183	192	209	221	222	233	242	246
C92460	130	152	175	183	197	210	223	228	228	233
C92461	152	175	201	221	236	243	256	265	269	272
C92462	146	166	175	197	217	221	220	232	234	232

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Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 9 - 1 PPM										
C92463	170	215	233	275						
C92464	128	158	180	202	211	219	230	239	240	248
C92465	146	171	205	226	245	259	264	274	286	299
C92466	158	183	198	227	241	256	266	258	274	274
C92467	156	187	201	233						
C92468	153	174	203	218	232	241	240	250	262	266
C92469	129	151	181	199	214	216	231	237	239	236
C92470	160	189	205	229						

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Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 21	WEEK 25	WEEK 29
GROUP: MALE 8 - 0 PPM										
C92191	428	431	440	425	447	462	472	498	520	525
C92193	489	503	511	513	513	526	544	559	576	583
C92194	488	506	527	542	551	565	577	609	645	656
C92195	442	456	465	475	476	489	494	524	555	558
C92197	509	525	526	537	533	551	559	588	611	608
C92198	442									
C92199	418	434	446	457	454	473	487	513	540	545
C92200	460	480	485	496	481	496	512	545	569	550
C92201	483	496	500	507	504	521	528	561	579	585
C92202	452	467	472	479	478	492	491	516	541	542
C92203	540	557	573	575	591	606	621	664	701	709
C92204	432	438	445	441	454	469	472	493	508	513
C92205	605	627	636	651	661	680	690	733	748	771
C92206	501	507	520	531	544	556	568	602	629	648
C92208	502	519	530	537	543	549	556	592	626	655
C92209	311	285	335	377	418	448	466	498	522	547
C92210	521	526	539	553	557	574	571	610	636	642
C92211	457	467	476	479	486	491	497	516	537	545
C92212	398	403	415	415	423	428	434	455	471	487
C92213	482	490	496	499	514	526	537	556	577	585
C92214	557	566	579	587	597	611	618	664	682	685
C92215	518	531	544	550	566	587	599	643	670	695
C92217	502	514	526	533	548	569	573	593	627	637
C92218	465	477	499	498	509	520	526	539	545	564
C92219	580	598	612	614	635	656	672	710	733	754
C92220	520	539	549	558	574	587	595	614	640	660
C92221	397	402	417	425	431	441	440	458	469	480
C92222	479	501	524	526	531	543	553	575	600	618
C92223	465	476	486	491	503	511	520	547	570	581
C92224	526	537	555	560	572	578	588	614	632	637
C92225	487	501	516	530	538	545	547	588	616	630
C92226	480	491	503	506	511	528	534	560	579	592

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 21	WEEK 25	WEEK 29
GROUP: MALE 8 - 0 PPM										
C92227	503	524	532	544	554	562	579	609	635	649
C92228	462	480	497	505	514	521	533	559	578	595
C92229	539	552	565	574	581	590	603	636	662	689
C92230	510	532	548	558	569	581	589	607	637	658
C92231	504	520	528	521	538	539	550	565	568	590
C92232	578	602	624	631	639	644	646	678	717	760
C92233	469	479	497	501	510	518	526	550	576	591
C92234	542	561	575	583	598	606	618	661	704	725
C92235	421	431	438	445	449	456	464	470	487	496
C92236	424	431	441	452	455	453	460	470	491	499
C92237	570	584	597	606	626	625	631	661	690	708
C92238	521	540	556	565	571	585	592	626	659	681
C92239	516	529	546	552	568	578	597	622	651	675
C92240	522	539	556	570	583	599	615	648	678	691
C92241	446	455	466	473	494	503	517	533	566	586
C92242	534	552	562	569	579	588	594	622	651	677
C92243	561	571	587	602	617	633	644	682	721	738
C92244	548	566	576	578	598	608	613	643	669	689
C92245	562	576	601	618	634	643	658	707	738	754
C92246	444	459	478	486	494	501	521	548	574	583
C92247	580	602	620	631	640	662	672	713	749	754
C92248	564	578	589	599	614	629	637	670	714	723
C92249	479	487	496	504	510	527	532	560	577	598
C92250	520	546	555	572	585	604	622	665	706	723
C92251	499	509	518	529	536	547	550	574	598	614
C92252	454	467	479	501	509	520	533	547	570	584
C92253	528	548	554	568	586	599	607	642	687	707
C92254	553	567	577	596	604	614	629	660	684	691
C92255	419	425	437	442						
C92256	556	573	581	598						
C92257	536	545	537	535						

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Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 21	WEEK 25	WEEK 29
GROUP: MALE 8 - 0 PPM										
C92258	527	550	560	582						
C92260	501	518	527	534						
GROUP: MALE 9 - 1 PPM										
C92261	448	458	468	472	477	480	489	519	532	548
C92262	544	553	571	580	596	617	634	647	652	657
C92263	554	570	584	592	607	627	637	669	704	705
C92265	533	553	563	570	580	593	603	628	646	647
C92266	467	483	492	502	509	514	523	540	565	576
C92267	471	496	497	507	506	512	520	539	565	562
C92268	623	642	653	665	677	697	711	766	802	822
C92269	541	556	573	589	588	605	630	679	711	747
C92270	430	444	462	469	474	488	497	528	560	562
C92271	587	601	619	632	644	653	664	713	744	753
C92272	443	459	461	472	488	494	497	528	545	539
C92273	531	545	559	569	578	588	602	639	672	690
C92274	487	506	518	520	526	538	538	558	581	590
C92275	439	452	463	464	473	483	487	508	533	544
C92276	479	491	509	513	525	531	543	568	580	594
C92277	562	582	596	606	624	635	642	680	695	719
C92278	494	506	509	518	527	547	553	572	599	611
C92279	492	513	512	531	542	551	561	589	616	636
C92281	493	504	512	515	525	529	532	549	560	576
C92282	492	502	515	523	530	528	536	565	580	592
C92283	477	489	507	512	524	533	540	561	589	610
C92285	588	612	620	628	647	670	683	730	768	811
C92286	522	544	559	571	579	593	614	657	686	706
C92287	513	524	539	544	554	558	566	595	624	634
C92288	538	554	574	583	598	606	625	679	705	716
C92289	502	517	524	528	541	544	549	581	602	611

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Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 21	WEEK 25	WEEK 29
GROUP: MALE 9 - 1 PPM										
C92290	478	494	508	526	539	550	562	589	612	626
C92291	453	458	467	473	482	485	489	509	521	523
C92292	421	442	458	466	477	484	491	529	567	589
C92293	499	506	525	533	547	561	568	606	635	647
C92294	501	518	529	529	548	555	562	586	608	615
C92295	535	549	555	562	566	582	585	611	629	638
C92296	474	484	498	513	525	537	541	579	612	622
C92297	417	422	434	438	450	449	447	474	488	498
C92298	588	602	619	628	643	654	666	685	718	730
C92299	434	450	455	471	470	476	483	500	523	534
C92301	518	527	549	556	562	574	581	599	629	647
C92302	623	643	666	674	682	693	703	745	786	793
C92303	498	517	525	526	538	545	554	585	613	624
C92304	548	559	575	581	593	601	605	645	664	670
C92305	527	542	555	565	586	595	600	618	637	647
C92306	491	513	534	541	551	560	569	610	653	673
C92307	486	505	515	522	538	549	556	582	604	631
C92308	436	432	431	438	443	448	451	450	466	485
C92309	470	480	490	487	499	504	507	532	545	553
C92310	562	574	589	596	603	630	639	677	699	709
C92311	527	540	554	560	566	591	597	638	669	695
C92312	425	433	438	450	454	459	466	484	492	504
C92313	503	517	527	533	551	568	586	613	639	667
C92314	493	512	522	521	525	535	546	572	591	601
C92315	513	530	537	549	557	573	584	615	640	657
C92316	462	475	481	487	489	502	504	521	533	541
C92317	545	558	567	573	593	616	623	666	692	717
C92318	483	499	516	528	534	545	558	577	608	624
C92319	491	506	515	520	528	537	530	561	568	588
C92320	500	520	529	540	547	552	562	590	608	630
C92321	424	435	440	447	449	457	466	480	498	508

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Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 21	WEEK 25	WEEK 29
GROUP: MALE 9 - 1 PPM										
C92322	434	440	452	457	464	474	473	499	521	537
C92323	556	573	585	587	595	606	623	659	673	688
C92324	505	515	529	536	553	560	571	593	614	627
C92325	580	603	622	637						
C92326	489	494	520	522						
C92327	495	511	516	519						
C92328	506	512	524	525						
C92330	555	574	584	595						
GROUP: FEMALE 8 - 0 PPM										
C92331	272	286	295	294	282	296	302	312	325	327
C92333	255	268	265	264	271	271	276	282	295	295
C92334	304	314	329	326	330	329	333	357	368	368
C92336	258	271	272	278	267	272	281	318	338	350
C92337	306	302	316	323	317	330	337	352	375	389
C92338	277	277	292	297	290	291	299	314	324	318
C92339	322	339	353	365	366	369	390	405	425	447
C92340	292	303	307	309	313	315	330	348	357	383
C92341	315	324	333	346	341	352	365	399	416	408
C92342	270	280	288	292	291	304	309	290	298	306
C92343	293	305	319	327	336	347	353	377	399	420
C92344	253	261	260	273	269	282	276	286	306	308
C92345	341	357	361	366	372	387	395	431	487	421
C92346	296	303	301	301	305	316	316	329	331	344
C92347	250	244	249	254	266	266	262	278	289	292
C92348	259	272	270	274	286	290	314	292	290	299
C92349	324	322	322	342	333	339	353	362	375	367
C92350	292	302	310	304	306	310	315	328	332	331
C92351	241	242	254	258	257	251	264	269	276	279
C92353	286	297	297	309	307	316	320	329	333	335

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 21	WEEK 25	WEEK 29
GROUP: FEMALE 8 - 0 PPM										
C92354	282	294	298	300	301	311	315	321	331	350
C92356	285	293	288	303	308	303	318	320	328	335
C92357	344	359	363	369	384	393	396	422	441	473
C92358	286	291	295	299	290	304	302	304	309	312
C92359	275	278	295	304	298	300	311	315	321	325
C92360	332	348	351	339	338	343	348	361	373	388
C92361	268	275	284	291	290	295	299	288	323	314
C92362	248	262	271	275	270	275	281	289	284	301
C92363	307	322	317	331	326	339	342	359	365	369
C92364	238	245	249	254	247	259	258	262	276	290
C92365	281	291	307	302	300	311	320	334	330	345
C92367	262	269	274	272	276	287	291	300	317	315
C92368	349	360	354	373	372	368	360	389	405	418
C92369	306	319	318	321	325	332	342	361	371	384
C92370	264	286	298	295	286	299	305	322	331	359
C92371	298	300	309	316	319	320	328	347	351	385
C92372	315	313	330	330	331	339	331	350	363	368
C92374	294	314	316	316	311	312	312	339	356	378
C92375	341	354	360	366	368	384	383	409	438	448
C92376	232	240	238	245	241	247	248	251	270	269
C92377	329	324	324	331	340	342	356	359	362	357
C92378	286	297	299	305	295	308	303	337	354	368
C92379	250	260	258	264	263	265	268	288	297	298
C92380	304	324	329	335	341	341	355	346	360	381
C92381	312	324	334	333	336	339	340	371	391	404
C92382	265	276	284	287	284	296	303	311	322	333
C92383	316	327	334	338	332	338	350	353	369	373
C92384	286	296	295	295	297	302	305	316	324	325
C92385	322	323	342	338	352	360	355	380	412	447
C92386	260	268	266	273	279	282	279	292	301	324
C92387	311	316	328	335	326	344	347	377	420	435

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Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 21	WEEK 25	WEEK 29
GROUP: FEMALE 8 - 0 PPM										
C92388	280	293	303	303	309	321	322	336	344	349
C92389	273	277	280	287	281	290	293	300	313	324
C92390	241	240	259	260	256	263	265	283	301	307
C92391	327	334	332	342	346	354	358	373	382	390
C92392	247	251	263	259	257	267	261	274	272	278
C92393	313	318	321	336	345	363	345	355	361	404
C92394	294	294	294	301	307	309	305	314	328	343
C92395	285	292	291	297	296	303	308	316	330	333
C92396	276	279	283	293						
C92397	283	289	292	302						
C92398	288	303	315	313						
C92399	255	263	259	266						
C92400	276	289	299	301						
GROUP: FEMALE 9 - 1 PPM										
C92401	328	340	344	354	353	361	361	379	407	409
C92403	320	331	332	335	340	352	355	381	423	442
C92404	299	310	317	321	317	322	328	357	372	374
C92405	269	275	276	275	279	284	280	294	299	312
C92406	274	261	282	270	277	272	286	290	297	291
C92407	304	310	324	325	311	318	325	355	378	392
C92408	274	277	284	288	284	286	288	307	317	315
C92409	270	279	284	279	284	293	289	303	313	313
C92410	287	283	299	296	292	299	300	309	328	316
C92411	302	303	314	312	310	327	337	343	333	346
C92412	275	289	288	284	297	288	297	315	310	310
C92413	310	320	315	335	357	366	379	406	451	480
C92414	314	317	319	329	330	334	335	354	372	381
C92415	314	322	330	325	341	337	344	359	372	380
C92416	265	261	262	265	271	277	273	266	297	290

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Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 21	WEEK 25	WEEK 29
GROUP: FEMALE 9 - 1 PPM										
C92417	296	297	312	315	312	313	318	322	333	350
C92418	292	302	306	316	312	317	315	309	356	367
C92419	278	289	294	295	297	299	299	285	308	317
C92420	304	306	314	321	321	333	339	348	366	365
C92421	285	285	297	303	299	307	304	309	336	339
C92422	265	273	279	277	283	293	289	302	317	339
C92423	291	287	295	301	302	299	305	315	322	339
C92424	276	285	295	298	292	299	298	328	339	354
C92425	277	276	276	286	295	295	296	307	334	333
C92426	249	247	259	266	263	262	266	277	290	294
C92427	260	254	265	272	272	269	280	284	293	293
C92428	297	301	297	315	313	315	322	340	356	365
C92429	263	268	276	279	281	281	283	303	308	316
C92430	297	296	296	307	307	313	308	324	339	336
C92431	321	321	317	332	343	351	335	343	364	363
C92432	248	243	257	255	264	263	262	283	300	301
C92433	280	274	279	282	278	280	283	298	299	308
C92434	261	260	261	269	267	281	274	282	290	296
C92436	250	267	266	278	273	285	288	295	304	318
C92437	265	272	268	288	289	293	287	315	328	338
C92438	273	279	283	282	287	286	292	302	310	317
C92439	288	285	301	305	304	308	314	329	325	331
C92440	283	276	276	289	285	297	298	305	309	322
C92441	275	277	284	289	286	291	295	321	344	360
C92442	337	343	350	360	373	365	380	396	442	426
C92443	329	326	335	345	339	353	343	366	384	414
C92444	254	251	256	259	265	264	264	274	282	278
C92445	371	369	378	394	401	416	419	453	493	534
C92446	311	312	326	330	319	332	343	362	363	377
C92447	325	330	328	342	335	351	360	408	431	448
C92448	315	316	329	343	355	363	371	397	418	434

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Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 21	WEEK 25	WEEK 29
GROUP: FEMALE 9 - 1 PPM										
C92449	267	267	280	282	280	292	296	313	317	319
C92450	306	312	323	336	341	346	353	382	398	412
C92451	273	283	286	290	295	291	300	341	359	366
C92452	286	293	294	294	303	305	305	321	322	330
C92453	282	296	309	312	312	317	324	334	336	354
C92454	294	300	310	308	316	317	318	321	328	344
C92455	284	296	291	288	296	299	297	309	320	323
C92456	250	253	255	253	257	265	261	271	280	284
C92457	289	295	295	302	304	303	302	322	321	323
C92458	277	273	287	290	284	289	300	336	363	388
C92459	245	245	257	252	256	264	260	282	286	289
C92460	244	250	258	265	267	273	266	291	297	308
C92461	274	284	284	285	293	296	295	312	333	336
C92462	232	242	249	253	252	258	264	268	276	286
C92464	252	251	258	263						
C92465	295	295	308	314						
C92466	282	286	288	298						
C92468	265	278	279	277						
C92469	244	250	247	250						

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Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 33	WEEK 37	WEEK 41	WEEK 45	WEEK 49	WEEK 53	WEEK 57	WEEK 61	WEEK 65	WEEK 69
GROUP: MALE 8 - 0 PPM										
C92191	547	578	578	609	616	636	652	661	675	680
C92193	605	623	624	636	633	648	649	661	657	660
C92194	686	731	737	761	774	779	796	816	834	846
C92195	584	622	630	654	661	672				
C92197	629	642	653	667	673	674	677	667	667	645
C92199	569	590	609	635	656	666				
C92200	596	634	656	679	701	728	753	767	789	809
C92201	606	647	642	661	668	678	693	700	715	719
C92202	559	602	624	644	647	657	664	676	685	687
C92203	740	803	828	860	888	911	943	977	995	1016
C92204	520	549	557	568	578	584	599	614	621	629
C92205	790	805	833	849	863	882				
C92206	680	692	711	740	752	768	772	788	778	762
C92208	654	708	734	777	807	847	869	889	911	936
C92209	565	601	602	626	644	666	673	695	713	724
C92210	659	674	693	727	742	769	782	803	810	825
C92211	568	589	608	628	644	657				
C92212	501	524	548	568	586	603	616	634	654	644
C92213	602	624	628	592	595					
C92214	713	746	740	767	758	782	798	823	841	828
C92215	709	743	753	791	802	812	817	772	740	674
C92217	657	677	695	705	717	733	740	761	779	814
C92218	583	582	585	592	600	613	630	647	656	676
C92219	788	820	840	878	904	923	940	966	982	970
C92220	677	696	705	718	712	721	715	717	699	685
C92221	469	483	495	513	523	524	542	542	545	546
C92222	637	659	691	709	717	733	751	767	782	786
C92223	599	627	642	654	670	681				
C92224	638	662	674	697	705	724	724	740	746	737
C92225	655	691	709	732	741	758	763	773	767	599
C92226	616	646	663	680	711	723	708	734	750	761
C92227	670	714	730	759	757	781	798	820	849	860

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Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 33	WEEK 37	WEEK 41	WEEK 45	WEEK 49	WEEK 53	WEEK 57	WEEK 61	WEEK 65	WEEK 69
GROUP: MALE 8 - 0 PPM										
C92228	619	646	663	691	708	705	680	561		
C92229	729	767	783	805	839	862	879	898	921	932
C92230	668	697	715	734	748	764				
C92231	608	638	642	666	681	689	715	733	751	759
C92232	790	816	848	897	940	968	988	1009	1024	1019
C92233	608	632	641	670	679	692	692	707	715	727
C92234	742	794	829	874	877	941	954	1000	1009	1048
C92235	509	527	542	561	554	583	582	592	613	617
C92236	513	524	535	560	571	588	589	606	610	621
C92237	735	773	792	834	866	887	913	934	946	977
C92238	711	735	761	784	797	819				
C92239	686	704	721	743	746	757	761	769	775	790
C92240	720	747	773	795	801	826	825	846	869	883
C92241	616	655	682	712	736	755	778	816	830	845
C92242	701	725	755	782	808	831	831	806	743	
C92243	770	808	828	842	851	869	865	878	842	684
C92244	725	758	775	811	818	842	841	862	881	
C92245	779	817	827	847	839	855	857	897	712	
C92246	600	618	635	669	684	710				
C92247	793	832	850	873	908	932				
C92248	752	774	796	817	824	835	813	771	651	447
C92249	622	652	663	684	700	727	708	742	727	701
C92250	757	797	823	854	870	888	930	951	970	980
C92251	643	668	691	719	724	747	748	773	789	788
C92252	593	617	604	609	620	613	626	631	642	651
C92253	687	748	772	769	777	791				
C92254	712	723	737	751	762	770	785	800	814	824

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Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 33	WEEK 37	WEEK 41	WEEK 45	WEEK 49	WEEK 53	WEEK 57	WEEK 61	WEEK 65	WEEK 69
GROUP: MALE 9 - 1 PPM										
C92261	569	581	599	625	638	658	680	696	715	730
C92262	675	696	705	725	741	746	755	768	767	771
C92263	733	756	767	789	814	832	840	858	873	874
C92265	679	671	704	684	722	735	753	765	757	749
C92266	601	614	638	664	687	699	717	744	755	768
C92267	566	581	599	619	634	653				
C92268	872	917	944	986	1020	1046	1081	1120	1150	1170
C92269	790	827	858	888	911	940	967	989	999	1031
C92270	588	617	633	643	669	686	702	720	723	747
C92271	782	814	841	871	889	908	930	953	958	963
C92272	560	590	612	623	645	667	685	704	730	735
C92273	735	773	787							
C92274	610	623	646	656	681	689				
C92275	569	598	607	616	640	641	639	658	656	660
C92276	606	623	647	653	654	623	624	618	612	584
C92277	746	776	790	810	816	823	799			
C92278	631	654	671	688	713	720	745	754	768	771
C92279	657	678	704	723	727	747	769	787	799	804
C92281	605	615	631	646	677	680	696	716	729	741
C92282	613	638	659	669	670	683	690	702	705	674
C92283	629	648	668	683	702	722	751	759	769	775
C92285	861	898	932	962	995	1027	1045	1087	1075	1017
C92286	726	744	757	774	793	797				
C92287	662	685	704	725	746	752				
C92288	745	775	808	834	855	889				
C92289	637	650	672	687	706	716	646	709	734	744
C92290	648	668	678	691	693	691	611	484		
C92291	534	556	571	577	583	597	590	616	629	630
C92292	630	664	695	726	741	755	711	597	490	
C92293	675	692	689							
C92294	645	648	655	686	701	710	725	751	752	701

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Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 33	WEEK 37	WEEK 41	WEEK 45	WEEK 49	WEEK 53	WEEK 57	WEEK 61	WEEK 65	WEEK 69
GROUP: MALE 9 - 1 PPM										
C92295	674	697	710	724	739	750	761	777	782	790
C92296	650	665	677	698	718	721	732	733	723	712
C92297	514	541	543	558	571	580	588	590	605	613
C92298	750	752	761	781	802	821	830	828	706	
C92299	534	550	562	568	564	581	593	611	616	625
C92301	677	696	709	741	767	773	784	808	818	834
C92302	838	873	900	924	949	987	1002	1025	1098	1047
C92303	644	665	675	689	706	715				
C92304	691	710	741	759	781	797	821	843	846	854
C92305	679	696	719	739	765	759	739	587		
C92306	689	716	735	753	782	786	793	815	822	842
C92307	653	657	693	715	727	717	738	726	731	747
C92308	494	497	509	510	513	520	535	539	558	568
C92309	578	593	607	615	643	657	672	693	684	695
C92310	728	754	774	778	798	811	807	820	832	845
C92311	730	733	777	805	840	855	877	911	924	938
C92312	515	517	522	521	508	502	488	480	462	
C92313	695	711	730	755	774	792	798	817	824	835
C92314	628	645	663	676	683	695	699	708	725	736
C92315	680	691	712	731	746	755				
C92316	559	580	599	611	628	634	645	659	663	666
C92317	751	772	815	828	841	868				
C92318	649	663	675	705	729	746	766	787	797	810
C92319	585	599	621	632	646	658	666	680	689	683
C92320	661	676	691	722	739	764				
C92321	530	542	563	571	576	595	606	623	614	621
C92322	565	580	600	625	641	652	661	681	697	708
C92323	702	713	737	768	792	804	832	860	874	898
C92324	650	672	689	702	697	704				

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 33	WEEK 37	WEEK 41	WEEK 45	WEEK 49	WEEK 53	WEEK 57	WEEK 61	WEEK 65	WEEK 69
GROUP: FEMALE 8 - 0 PPM										
C92331	343	360	374	383	403	426	437	451	462	478
C92333	311	337	344	365	354	400	415	421	442	451
C92334	401	425	440	437	475	474	510	539	559	583
C92336	365	376	390	408	418	431	456	470	478	473
C92337	410	431	463	487	503	527	533	556	577	577
C92338	352	371	381	409	418	437	447	478	396	373
C92339	458	495	507	548	573	595	608	641	648	661
C92340	408	435	455	474	501	520	558	590	608	621
C92341	444	478	489	512	525	543				
C92342	323	319	325	328	327					
C92343	449	456	462	466	465	445	420			
C92344	309	334	346	353	367	381	391	409	427	444
C92346	352	353	382	394	418	412	337	326		
C92347	309	318	344	317						
C92348	304	310	303	308	307	324	336	346	353	361
C92349	385	413	424	439	442	458	468	488	485	504
C92350	348	366	373	383	390	405	419	438	443	451
C92351	294	299	307	334	310	333	355	347	356	371
C92353	343	359	374	388	406	420	425	450	457	466
C92354	364	373	384	393	405	412	438	467	469	486
C92356	347	366	368	373	386	400				
C92357	510	548	581	615	622	640				
C92358	320	330	329	340	345	349	370	375	378	390
C92359	328	347	353	368	378	391	409	426	435	447
C92360	403	417	419	431	444	458	471	478	507	515
C92361	327	339	366	370	385	400	411	436	446	456
C92362	325	323	324	334	344	351	368	365	380	387
C92363	403	424	442	459	473	472	466	479	500	521
C92364	304	329	335	356	362	315	306	223		
C92365	355	367	364	385	399	405				
C92367	319	326	341	351	356	370	364	368	389	401

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 33	WEEK 37	WEEK 41	WEEK 45	WEEK 49	WEEK 53	WEEK 57	WEEK 61	WEEK 65	WEEK 69
GROUP: FEMALE 8 - 0 PPM										
C92368	433	456	471	473	481	509	521	535	543	558
C92369	407	436	447	463	486	505	508	537	550	554
C92370	382	402	414	432	465	476	510	534	564	586
C92371	402	419	435	446	467	488	484	495	503	521
C92372	365	378	396	412	431	447				
C92374	421	436	444	465	476	475	487	505	520	524
C92375	470	503	528	558	597	624	652	695	717	752
C92376	275	284	302	316	323	347				
C92377	367	390	402	403	436	458				
C92378	388	404	414	430	446	474	474	485	493	459
C92379	318	329	340	344	358	372	373	380	280	321
C92380	407	429	448	456	495	500	519	538	552	558
C92381	424	456	465	469	491	496	513	533	478	316
C92382	353	376	385	376	394	397	232			
C92383	377	390	407	414	429	438	446	468	478	489
C92384	340	351	365	391	404	415	428	452	462	474
C92385	475	506	532	566	596	607	638	668	670	669
C92386	339	364	375	396	404	410	403	431	426	411
C92387	461	474	487	496	508	530	544	551	568	579
C92388	376	376	404	419	430	461				
C92389	332	348	356	361	376	380				
C92390	317	335	341	356	356	370				
C92391	418	464	493	514	533	553	559	567	569	609
C92392	280	297	310	318	323	273	320	378		
C92393	450	476	492	508	538	539	549	587	608	615
C92394	365	383	397	419	426	451	455	481	492	515
C92395	352	368	383	390	413	418				

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 33	WEEK 37	WEEK 41	WEEK 45	WEEK 49	WEEK 53	WEEK 57	WEEK 61	WEEK 65	WEEK 69
GROUP: FEMALE 9 - 1 PPM										
C92401	442	471	485	514	536	557	588	618	633	659
C92403	462	488	501	524	466					
C92404	396	421	449	462	485	490	519	530	551	564
C92405	333	347	359	369	370	388	408	414	437	431
C92406	291	314	331	329	338	358				
C92407	431	421	467	489	505	516				
C92408	323	341	337	351	350	376	388	407	407	422
C92409	328	350	370	386	405	409	424	435	444	455
C92410	333	351	354	359	366	380	398	405	411	407
C92411	368	378	392	390	407	429				
C92412	327	345	352	374	384	385	407	418	429	439
C92413	489	499	494	498	494	489	504	550	550	580
C92414	399	424	433	446	466	472	487	509		
C92415	398	415	429	449	478	487	517	539	557	546
C92416	298	323	334	347	363	373	372	384	384	401
C92417	376	402	408	423	437	463	479	520	527	537
C92418	375	395	407	419	444	456				
C92419	328	332	333	335	342	339	350	361	376	365
C92420	391	403	418	437	461	464	487	517	536	538
C92421	353	367	375	384	401	382	409	439	455	473
C92422	352	369	384	384	414	426				
C92423	351	366	387	395	409	428	438	458	459	469
C92424	367	385	393	397	423	427				
C92425	342	379	389	394	405	422	436	460	468	473
C92426	303	311	318	320	322	338	334	343	352	356
C92427	307	332	351	392	437	461	478	543		
C92428	359	386	385	403	402	411	434	444		
C92429	335	342	352	373	385	393	376	383		
C92430	341	361	367	385	404	402	421	438	457	461
C92431	377	408	414	433	457	475	502	502	549	554
C92432	311	328	339	349	366	387	390	411	422	408

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Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 33	WEEK 37	WEEK 41	WEEK 45	WEEK 49	WEEK 53	WEEK 57	WEEK 61	WEEK 65	WEEK 69
GROUP: FEMALE 9 - 1 PPM										
C92433	316	329	341	353	375	389				
C92434	302	317	329	336	350	365	381	392	400	418
C92436	312	317	323	332	338	344	339	351	367	366
C92437	358	374	381	382	355					
C92438	333	335	347	355	368	369				
C92439	333	348	345	370	368	376	386	387	395	409
C92440	330	336	354	356	396	391	395	418	421	419
C92441	381	394	407	442	470	486				
C92442	468	496	528	560	586	606	634	656	593	
C92443	444	469	486	517	555	573	589	620	660	660
C92444	297	305	316	330	342	361	353	385	375	394
C92445	573	602	645	676	716	732	793	843	875	878
C92446	399	410	443	480	493	517	550	594	610	606
C92447	467	487	500	506	545	563	592	637	659	653
C92448	447	468	465	496	506	522	533	545	476	394
C92449	310	329	333	346	370	386				
C92450	434	451	458	471	471	487	505	524	536	538
C92451	380	393	420	436	447	466	477	503	521	537
C92452	342	340	357	370	381	396	395	408	425	437
C92453	370	390	404	424	439	456	486	492	512	527
C92454	351	371	389	411	446	450	476	507	481	485
C92455	339	353	363	383	396	420	427	453	468	463
C92456	289	302	316	335	354	383	408	427	445	450
C92457	342	361	365	375	384	393	398	420	421	430
C92458	411	435	452	469	486	504	521	534	350	
C92459	504	322	305	321	336	351	372	377	388	400
C92460	317	341	339	346	372	384	397	409	416	416
C92461	360	376	393	400	425	446	477	414		
C92462	279	295	326	358	393	400	435	449	465	485

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 73	WEEK 77	WEEK 81	WEEK 85	WEEK 89	WEEK 93	WEEK 97	WEEK 101	WEEK 105
GROUP: MALE 8 - 0 PPM									
C92191	695	694	705	733	733	767	807	828	
C92193	670	679	689	714	714	725	739	703	696
C92194	855	843	872	890	902	907	922	854	
C92197	649	633	616	634	608	619	607	576	565
C92200	823	682							
C92201	726	715	741	792	793	800			
C92202	621	607	585	565					
C92203	1041	1015	1020	1023	1002	957	857	730	580
C92204	655	644	603						
C92206	657								
C92208	916	938	967	1003	1014	1043	1079	1049	1078
C92209	737	737	724	728	734	726	642	515	565
C92210	843	839	851	861	867	906	771		
C92212	669	666	670	699	709	698	654	592	
C92214	786	736	705	607					
C92215	610								
C92217	907	1052							
C92218	686	677	693	697	689	665	614	483	417
C92219	1009	1022	1061	1058					
C92220	626	483							
C92221	545	536	531	522	474	348			
C92222	792	768	800	825	811	842	866	843	856
C92224	753	757	748	767	758	789	817	795	
C92226	766	790	800	748	611				
C92227	900	906	933	950	965	976	844	708	
C92229	950	932	839	695					
C92231	770	772	803	835	832	849	866	837	843
C92232	1063	1060	1078	1080	1054	1016	858		
C92233	729	743	759	773	768	763	734	525	401
C92234	1063	1074	953	685					
C92235	628	606	625	649	630	622	636		
C92236	637	635	649	648	540				

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 73	WEEK 77	WEEK 81	WEEK 85	WEEK 89	WEEK 93	WEEK 97	WEEK 101	WEEK 105
GROUP: MALE 8 - 0 PPM									
C92237	987	987	1008	1036	1035	957	879	661	
C92239	794	787	804	830	832	839	801	650	504
C92240	893	879	856						
C92241	856	853	856	878	857	673			
C92250	1005	1016	1062	1063	1028				
C92251	812	825	874						
C92252	659	655	680	688	708	707	734	718	712
C92254	839	796	731	483					
GROUP: MALE 9 - 1 PPM									
C92261	748	748	782	791	782	800	828	800	823
C92262	783	770	769	764	674	614	532	506	
C92263	886	881	884	897	885	905	894	840	791
C92265	724	669							
C92266	770	776	797	822	826	841	865	838	836
C92268	1201	1191	1201	1181	1161	1029	841		
C92269	1037								
C92270	761	766	802	830	854	876	886	818	797
C92271	946	928	900	874	811				
C92272	733	722	705	680					
C92275	656	654	647	661	652	634	593	483	
C92276	371								
C92278	774	763	785	786	806	827	836	820	836
C92279	819	808	763	665	542				
C92281	750	731	759	764	766	757	749	714	711
C92282	652	628	638	647	639	638	641	614	613
C92283	781	781	814	839	835	850	831	772	712
C92285	829								
C92289	745	741	773	769	752	735	701	627	559
C92291	634	635	657	677	676	695			

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 73	WEEK 77	WEEK 81	WEEK 85	WEEK 89	WEEK 93	WEEK 97	WEEK 101	WEEK 105
GROUP: MALE 9 - 1 PPM									
C92294	657	700	755	653	548	504	377		
C92295	809	808	823	849	864	888	891	859	861
C92296	642								
C92297	628	641	650	678	686	700	705	687	677
C92299	635	641	647	653	665	677	693	666	608
C92301	845	837	876	892					
C92302	1059	1058	1072	1069	1046	929			
C92304	873	866	871	899	896	896			
C92306	853	844	861	887	886	914	942	888	
C92307	750	707	707	678	626	612	592	522	
C92308	573	571	570	564	559	557	594	600	555
C92309	712	709	728	738	740	749	743	678	594
C92310	826								
C92311	936	938	959	981	994	1001	1039	1037	1044
C92313	844	852	856	876	899	918	899		
C92314	732	743	759	763	673	550			
C92316	679	690	690	633	654	640	559	528	
C92318	817	821	825	825	816	818	849	842	825
C92319	690	676	702	702	693	723	708	693	690
C92321	632	626	629	625	625	637	645	618	606
C92322	732	727	751	760	771	793	811	788	799
C92323	921	938	950	948	955	970	985	939	850
GROUP: FEMALE 8 - 0 PPM									
C92331	514	525	525	495	473				
C92333	465	485	502	536	549	564	598	597	608
C92334	590	608	650	677	672	699	710	703	705
C92336	486	473	420						
C92337	546	509	445						
C92339	681	701	714	757	767	743			

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 73	WEEK 77	WEEK 81	WEEK 85	WEEK 89	WEEK 93	WEEK 97	WEEK 101	WEEK 105
GROUP: FEMALE 8 - 0 PPM									
C92340	614	573							
C92344	450	472	470	493	479	487	481	421	
C92348	374	378	387	399	408	427	438	432	464
C92349	523	514							
C92350	452	472	472	459	434	401			
C92351	382	386	385	408	426	435	455	443	452
C92353	479	497	512	547	542	428			
C92354	496	520	541	560	557	540	518	473	414
C92358	402	404	407	440	437	444	444	410	381
C92359	448	463	468	472	443	326			
C92360	518	544	533	538	583	599	614	604	630
C92361	470	481	498	505	525	571	634	672	
C92362	384	396	395	401	393	382	383	371	340
C92363	547	572	587						
C92367	408	423	435	453	459	464	478	481	498
C92368	576	582	595	649	660	660	640	529	
C92369	553	554	558	575	562	560	572	590	658
C92370	622	653	658	692	695	679	655		
C92371	540	545	548	562	521				
C92374	522	542	560	589	598	607	626	604	609
C92375	762	763	696	562					
C92378	315								
C92380	467	434	339						
C92383	502	509	527	549	564	574	599	584	596
C92384	480	464	488	473					
C92385	678	661	647	536	504	429			
C92386	417	418	403	401	402	387	375	350	337
C92387	416								
C92391	676	703	698	667	623	521			
C92393	630	638	594	616	545	509			
C92394	516	415	372	382					

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 73	WEEK 77	WEEK 81	WEEK 85	WEEK 89	WEEK 93	WEEK 97	WEEK 101	WEEK 105
GROUP: FEMALE 9 - 1 PPM									
C92401	688	685	640	565	474				
C92404	572	578	519						
C92405	454	470	480	487	493	497	391		
C92408	433	441	432	440	466	461	456	471	
C92409	475	487	496	514	531	534	429		
C92410	423	428	442	455	466	479	497	496	487
C92412	448	448	465	466	483	496	505	494	497
C92413	619	629	635	666	678	631	625	519	
C92415	510	501	516	551	531				
C92416	407	423	429	439	445	448	432	439	452
C92417	569	602	611	530	403	275			
C92419	389	387	402	415	428	434	449	446	442
C92420	572								
C92421	483	496	503	524	544	565	577	541	466
C92423	482	492	500	511	533	541	572	584	611
C92425	494	516	525	565	593	606	634		
C92426	346	343	352	361	362	350	378	384	414
C92430	497	482	501	519	533	552	555	542	542
C92431	564	562	584	611	619	637	651	644	640
C92432	356	345							
C92434	431	430	436	454	492				
C92436	381	382	381	415	428	446			
C92439	424	413	426	433	435	450	461	460	474
C92440	448	440							
C92443	680	707	744	783	795	808	802	718	620
C92444	414	417	431	419	431	447	450	453	457
C92445	877	888	903	938	950	950			
C92446	619	603	433						
C92447	615	518	436	392	338				
C92450	531	488	405	357	281				
C92451	557	566	574	597	604	549	526	534	547

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 73	WEEK 77	WEEK 81	WEEK 85	WEEK 89	WEEK 93	WEEK 97	WEEK 101	WEEK 105
GROUP: FEMALE 9 - 1 PPM									
C92452	437	462	465	488	481	504	511	511	519
C92453	545	580	598	615	608	508	445		
C92454	456	389	299						
C92455	482	498	520	566	580	609	633	524	
C92456	468	473	490	513	515	544	551	537	561
C92457	448	447	413	338					
C92459	419	430	437	446	429	400	375		
C92460	436	444	447	421	379	360	319		
C92462	495	513	527	540	538	457	366		

APPENDIX 4

Individual Food Consumption Data (g)
Individual Test Material Consumption Data (mg/kg/day)

Covance 6329-228
3M T-6316.1

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 8 - 0 PPM										
C92191	159	162	166	161	156	149	167	173	169	166
C92192	161	168	181	NOT TAKEN						
C92193	163	166	173	180	180	179	188	183	177	180
C92194	174	174	185	177	176	173	173	180	176	187
C92195	162	201	168	203	177	180	176	174	171	172
C92196	173	168	170	NOT TAKEN						
C92197	162	166	179	184	179	167	180	176	177	168
C92198	161	166	174	167	177	177	168	149	176	156
C92199	135	143	155	158	164	163	163	162	165	166
C92200	155	167	183	183	182	186	185	186	205	198
C92201	158	161	168	177	187	179	173	182	182	174
C92202	165	163	163	163	162	169	175	164	166	166
C92203	168	178	193	195	197	200	206	203	203	198
C92204	145	145	154	159	154	158	157	156	158	158
C92205	174	187	194	205	205	212	213	203	210	203
C92206	157	169	174	172	184	183	184	188	193	199
C92207	181	180	182	NOT TAKEN						
C92208	158	168	172	171	178	187	178	171	172	170
C92209	146	147	156	170	166	168	180	175	148	18
C92210	189	199	212	205	211	213	222	213	211	189
C92211	153	SPILLED	166	166	166	168	170	163	163	169
C92212	144	145	146	148	147	147	152	152	155	157
C92213	161	182	182	186	186	187	195	SPILLED	197	SPILLED
C92214	179	189	198	197	201	196	205	205	207	204
C92215	164	167	177	184	192	200	197	188	198	193
C92216	154	152	164	NOT TAKEN						
C92217	176	184	192	188	SPILLED	SPILLED	195	185	190	199
C92218	152	162	169	170	175	160	161	162	168	177
C92219	186	207	211	217	218	217	223	227	226	227
C92220	181	202	181	199	191	183	188	192	196	208
C92221	146	153	159	158	158	152	156	147	154	161

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 8 - 0 PPM										
C92222	188	175	187	191	195	193	197	191	195	189
C92223	168	172	177	180	200	180	199	199	201	190
C92224	178	178	187	195	200	199	202	195	191	190
C92225	154	161	171	175	179	183	180	177	181	183
C92226	150	153	161	167	169	171	178	170	169	173
C92227	170	169	177	184	181	177	178	178	178	178
C92228	159	162	164	168	165	169	171	168	175	177
C92229	167	183	194	204	206	201	209	200	203	204
C92230	158	171	194	199	221	236	234	SPILLED	SPILLED	SPILLED
C92231	172	176	183	179	179	182	177	171	170	177
C92232	197	201	203	223	221	223	220	230	237	245
C92233	159	162	168	174	176	184	186	186	197	188
C92234	182	195	211	208	212	202	204	211	210	217
C92235	154	152	149	149	156	160	165	171	173	177
C92236	158	157	160	164	166	163	168	166	169	159
C92237	184	186	194	194	194	204	205	202	197	201
C92238	171	167	174	175	174	173	180	173	179	182
C92239	168	170	176	176	178	190	186	189	195	189
C92240	181	187	193	194	191	206	224	215	199	210
C92241	149	155	167	171	179	179	171	166	169	169
C92242	181	183	191	186	189	184	189	190	184	187
C92243	176	185	191	186	188	195	197	199	207	206
C92244	166	172	185	189	193	200	208	203	210	202
C92245	183	193	198	195	196	197	210	217	211	214
C92246	149	157	164	154	156	157	163	178	185	190
C92247	186	192	198	194	194	210	206	207	205	210
C92248	169	174	189	193	201	202	205	199	200	200
C92249	172	180	180	179	205	SPILLED	206	203	196	180
C92250	174	178	186	194	195	195	201	188	192	199
C92251	172	182	185	183	180	182	182	186	183	170
C92252	163	172	SPILLED	SPILLED	SPILLED	SPILLED	192	222	SPILLED	226

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 8 - 0 PPM										
C92253	183	177	185	189	182	200	205	210	197	184
C92254	180	185	203	203	204	204	215	210	221	214
C92255	174	182	185	172	171	172	176	187	195	188
C92256	167	175	191	184	193	187	196	199	197	208
C92257	170	177	185	183	185	187	187	192	183	178
C92258	180	187	185	195	192	189	193	188	182	200
C92259	177	175	187	NOT TAKEN						
C92260	176	219	221	SPILLED	223	225	221	223	225	220
GROUP: MALE 9 - 1 PPM										
C92261	144	152	160	164	159	159	159	164	162	166
C92262	175	188	204	200	194	199	204	207	211	203
C92263	180	177	181	180	183	190	194	198	196	199
C92264	162	174	183	NOT TAKEN						
C92265	185	192	204	202	205	215	176	SPILLED	221	SPILLED
C92266	141	149	163	158	168	165	162	162	166	175
C92267	157	149	157	152	149	150	151	148	158	155
C92268	185	204	209	230	235	236	250	244	244	228
C92269	177	197	211	206	214	212	230	SPILLED	254	SPILLED
C92270	SPILLED	217	229	SPILLED	SPILLED	SPILLED	209	232	192	218
C92271	176	183	195	197	204	SPILLED	209	211	208	218
C92272	149	149	156	156	159	159	164	158	164	167
C92273	176	183	198	200	206	214	214	199	233	211
C92274	154	155	169	167	170	171	173	166	176	189
C92275	146	145	153	153	157	153	162	160	163	170
C92276	143	155	SPILLED	180	180	187	182	185	175	177
C92277	171	190	198	205	214	212	212	209	210	204
C92278	168	177	179	167	170	172	182	179	184	182
C92279	173	SPILLED	213	191	197	205	202	194	191	194
C92280	162	175	188	NOT TAKEN						

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 9 - 1 PPM										
C92281	150	160	167	176	174	184	176	179	182	185
C92282	159	165	166	177	178	176	182	178	179	184
C92283	162	164	173	181	183	186	194	181	200	195
C92284	188	176	177	NOT TAKEN						
C92285	179	193	200	201	199	210	208	213	224	226
C92286	158	161	175	182	187	184	187	183	184	186
C92287	162	164	172	176	179	183	180	178	173	178
C92288	182	184	186	191	187	191	192	189	199	198
C92289	166	171	186	195	200	203	205	208	202	199
C92290	159	167	173	169	174	171	184	183	193	188
C92291	161	159	160	162	158	158	154	153	151	147
C92292	139	139	147	150	156	160	163	159	162	168
C92293	173	185	83	187	SPILLED	197	198	192	193	200
C92294	159	156	154	159	164	170	178	191	208	200
C92295	175	214	209	202	200	197	197	204	198	199
C92296	145	151	157	155	157	157	161	160	165	173
C92297	140	147	155	157	155	154	153	161	165	172
C92298	175	179	190	197	208	210	207	200	202	199
C92299	154	153	162	171	170	179	183	SPILLED	SPILLED	183
C92300	163	176	181	NOT TAKEN						
C92301	191	188	199	192	200	198	180	188	193	192
C92302	179	194	204	205	213	213	215	224	221	217
C92303	162	167	182	182	190	190	184	178	183	179
C92304	181	187	196	196	195	198	200	197	207	207
C92305	192	200	197	200	202	214	208	192	204	194
C92306	180	192	193	183	198	184	185	193	190	195
C92307	164	160	173	177	188	189	196	195	194	191
C92308	140	148	155	156	155	159	165	163	168	171
C92309	180	184	187	180	177	183	185	208	191	186
C92310	174	185	195	204	204	207	209	223	201	205
C92311	186	185	192	190	194	200	194	201	194	206

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 9 - 1 PPM										
C92312	154	156	165	163	166	167	178	167	172	173
C92313	172	171	173	167	175	182	194	183	195	194
C92314	167	171	181	176	187	176	184	180	181	181
C92315	175	190	190	187	208	207	217	204	207	210
C92316	157	197	SPILLED	190	SPILLED	178	165	165	162	159
C92317	167	174	176	185	190	189	190	191	192	194
C92318	157	168	180	196	SPILLED	186	193	212	188	188
C92319	177	194	SPILLED	194	198	185	196	176	183	183
C92320	172	185	189	192	197	198	204	196	200	201
C92321	155	164	161	168	170	163	174	163	173	168
C92322	162	160	156	173	165	162	163	161	163	161
C92323	188	190	204	208	203	203	203	208	206	206
C92324	168	174	180	186	199	185	201	192	190	194
C92325	185	194	206	209	207	214	228	214	215	219
C92326	161	177	179	181	180	180	178	180	186	179
C92327	179	192	195	200	204	195	190	182	178	183
C92328	164	175	185	197	SPILLED	SPILLED	SPILLED	SPILLED	215	205
C92329	146	164	176	NOT TAKEN						
C92330	174	180	191	204	195	199	201	196	199	207
GROUP: FEMALE 8 - 0 PPM										
C92331	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	157	138
C92332	129	117	119	NOT TAKEN						
C92333	156	SPILLED	SPILLED	161	SPILLED	SPILLED	134	149	SPILLED	144
C92334	SPILLED	SPILLED	135	161	149	154	154	166	164	SPILLED
C92335	122	126	127	124	139	142	141	NOT TAKEN		
C92336	109	108	112	121	124	124	130	126	122	122
C92337	159	SPILLED	130	141	SPILLED	144	140	152	154	142
C92338	134	SPILLED	179	SPILLED	SPILLED	SPILLED	235	190	219	SPILLED
C92339	126	SPILLED	173	158	173	159	161	156	160	150

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 8 - 0 PPM										
C92340	122	145	137	145	132	136	140	148	132	132
C92341	SPILLED	140	142	SPILLED	150	171	144	148	138	145
C92342	SPILLED	132	123	SPILLED	121	128	124	118	127	121
C92343	139	133	137	145	137	139	141	142	127	SPILLED
C92344	123	SPILLED	SPILLED	SPILLED	SPILLED	200	SPILLED	SPILLED	SPILLED	SPILLED
C92345	112	131	149	162	155	153	160	161	146	151
C92346	SPILLED	128	SPILLED	128	SPILLED	137	141	132	127	136
C92347	108	108	112	118	121	113	113	123	125	126
C92348	SPILLED	127	SPILLED	SPILLED	SPILLED	156	149	125	121	147
C92349	131	135	206	140	149	142	152	159	144	162
C92350	132	129	140	141	138	143	150	137	126	139
C92351	111	109	108	115	110	105	110	117	112	113
C92352	156	SPILLED	SPILLED	NOT TAKEN						
C92353	SPILLED	140	167	141	138	SPILLED	148	SPILLED	SPILLED	SPILLED
C92354	118	116	123	138	136	131	142	SPILLED	133	150
C92355	SPILLED	SPILLED	127	NOT TAKEN						
C92356	SPILLED	SPILLED	165	139	136	145	132	118	SPILLED	142
C92357	127	142	150	161	SPILLED	186	156	148	143	150
C92358	128	136	126	125	133	128	137	123	127	128
C92359	112	108	115	129	125	127	131	139	148	180
C92360	132	137	143	135	139	148	137	141	139	136
C92361	110	SPILLED	121	SPILLED	119	127	132	124	123	131
C92362	SPILLED	108	121	142	122	SPILLED	130	SPILLED	115	SPILLED
C92363	125	131	143	145	137	141	147	SPILLED	133	137
C92364	108	112	107	113	113	113	117	109	113	111
C92365	139	SPILLED	171	141	SPILLED	190	159	140	SPILLED	SPILLED
C92366	121	131	145	NOT TAKEN						
C92367	116	114	112	121	116	124	122	127	121	133
C92368	153	169	166	SPILLED	SPILLED	151	164	165	149	154
C92369	128	130	134	141	145	149	158	152	152	159
C92370	113	117	129	127	118	119	135	128	128	121

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 8 - 0 PPM										
C92371	147	134	143	162	155	137	135	130	124	122
C92372	SPILLED	SPILLED	153	SPILLED	162	SPILLED	159	151	135	152
C92373	SPILLED	135	142	NOT TAKEN						
C92374	121	118	124	134	133	133	146	131	135	138
C92375	135	143	150	147	148	150	162	153	150	155
C92376	SPILLED	127	114	119	135	114	112	105	103	116
C92377	127	132	133	129	143	144	137	146	127	143
C92378	129	129	143	139	141	142	148	137	136	141
C92379	SPILLED	115	120	122	120	122	123	119	118	109
C92380	124	128	127	145	136	146	146	137	146	136
C92381	SPILLED	143	155	SPILLED	155	162	SPILLED	SPILLED	169	SPILLED
C92382	129	116	112	119	121	119	124	138	126	125
C92383	130	131	131	155	141	139	143	143	145	144
C92384	SPILLED	165	124	129	128	137	135	129	131	SPILLED
C92385	SPILLED	129	132	156	144	SPILLED	149	148	148	SPILLED
C92386	158	141	144	SPILLED	142	152	123	122	126	131
C92387	121	120	SPILLED	137	149	SPILLED	136	154	148	160
C92388	SPILLED	SPILLED	126	SPILLED	173	152	151	SPILLED	173	SPILLED
C92389	127	151	125	129	130	132	131	135	133	132
C92390	SPILLED	SPILLED	166	SPILLED	137	SPILLED	145	193	SPILLED	160
C92391	131	133	141	148	156	149	146	139	130	SPILLED
C92392	SPILLED	157	152	126	111	135	125	126	119	117
C92393	139	SPILLED	155	134	137	128	146	138	156	126
C92394	SPILLED	SPILLED	139	141	136	132	139	SPILLED	152	156
C92395	SPILLED	SPILLED	125	141	130	154	130	142	133	139
C92396	SPILLED	124	150	SPILLED	145	148	SPILLED	SPILLED	SPILLED	SPILLED
C92397	118	122	129	SPILLED	136	SPILLED	139	131	127	130
C92398	SPILLED	SPILLED	138	157	134	168	130	138	128	132
C92399	119	115	115	124	107	120	123	117	129	113
C92400	121	126	135	133	130	135	144	137	131	144

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 9 - 1 PPM										
C92401	132	125	138	141	150	147	151	144	149	144
C92402	123	132	136	NOT TAKEN						
C92403	120	128	145	137	148	150	144	132	132	148
C92404	131	135	136	155	148	144	150	140	149	146
C92405	148	123	125	128	127	162	149	SPILLED	117	144
C92406	104	139	120	114	SPILLED	150	133	130	134	133
C92407	123	141	139	154	147	149	143	138	131	136
C92408	112	117	120	128	127	122	123	128	123	113
C92409	158	SPILLED	131	129	139	156	143	SPILLED	130	135
C92410	120	121	120	119	126	117	125	130	119	127
C92411	129	SPILLED	201	SPILLED	SPILLED	SPILLED	139	SPILLED	SPILLED	SPILLED
C92412	120	SPILLED	174	SPILLED	SPILLED	143	169	SPILLED	SPILLED	120
C92413	SPILLED	SPILLED	139	144	142	139	146	143	160	SPILLED
C92414	117	111	116	141	137	132	139	143	143	148
C92415	136	139	154	161	160	153	145	160	157	149
C92416	151	SPILLED	144	132	133	125	122	117	117	124
C92417	SPILLED	SPILLED	141	166	158	133	137	143	137	135
C92418	122	124	131	138	131	125	117	117	120	116
C92419	SPILLED	SPILLED	136	157	SPILLED	SPILLED	SPILLED	SPILLED	159	SPILLED
C92420	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	160	SPILLED	163	SPILLED
C92421	123	125	124	124	128	149	127	SPILLED	SPILLED	SPILLED
C92422	107	120	114	116	122	125	121	119	121	122
C92423	SPILLED	SPILLED	208	SPILLED	SPILLED	145	159	SPILLED	SPILLED	SPILLED
C92424	SPILLED	160	171	SPILLED	SPILLED	SPILLED	SPILLED	165	156	SPILLED
C92425	139	134	141	140	140	132	129	140	129	131
C92426	112	127	127	121	115	137	121	125	SPILLED	113
C92427	106	131	108	122	SPILLED	SPILLED	148	211	125	126
C92428	121	123	138	136	135	137	139	SPILLED	133	131
C92429	SPILLED	SPILLED	124	131	131	143	125	SPILLED	124	126
C92430	132	131	164	138	153	136	148	135	131	132
C92431	123	125	129	131	134	140	139	144	151	147

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 9 - 1 PPM										
C92432	108	107	111	115	117	110	109	120	109	112
C92433	SPILLED	SPILLED	178	205	SPILLED	SPILLED	SPILLED	SPILLED	129	SPILLED
C92434	125	109	127	113	120	123	120	128	119	125
C92435	144	153	147	NOT TAKEN						
C92436	108	100	114	116	122	118	121	112	115	112
C92437	113	105	112	111	122	125	118	120	116	125
C92438	124	120	128	131	133	130	125	127	122	116
C92439	114	118	119	127	127	124	127	138	121	122
C92440	SPILLED	163	159	153	133	131	129	130	136	127
C92441	112	131	126	130	135	129	126	141	115	120
C92442	139	140	153	162	158	159	175	163	156	161
C92443	138	135	144	147	152	163	159	160	135	155
C92444	SPILLED	128	141	SPILLED	138	SPILLED	150	SPILLED	SPILLED	SPILLED
C92445	124	144	150	156	163	162	161	155	150	165
C92446	132	129	152	150	147	SPILLED	157	140	132	155
C92447	125	137	178	155	152	151	142	131	145	SPILLED
C92448	151	151	143	160	154	144	144	143	142	143
C92449	SPILLED	121	126	135	127	SPILLED	165	SPILLED	139	SPILLED
C92450	138	130	141	141	157	139	142	138	131	140
C92451	112	117	114	132	134	131	113	110	122	130
C92452	132	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	163	156
C92453	124	116	134	131	138	SPILLED	SPILLED	138	137	145
C92454	148	150	151	158	148	164	SPILLED	142	141	145
C92455	120	117	125	130	133	126	SPILLED	129	123	137
C92456	SPILLED	SPILLED	SPILLED	198	SPILLED	SPILLED	SPILLED	SPILLED	133	SPILLED
C92457	128	122	133	129	141	132	118	SPILLED	140	128
C92458	122	129	134	135	135	145	124	134	131	145
C92459	114	118	117	120	122	120	120	124	122	121
C92460	124	SPILLED	SPILLED	123	138	139	129	147	197	SPILLED
C92461	140	148	129	138	SPILLED	144	130	SPILLED	SPILLED	146
C92462	116	SPILLED	124	126	122	SPILLED	137	127	131	122

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 9 - 1 PPM										
C92463	143	150	156	NOT TAKEN						
C92464	114	115	117	128	122	127	134	117	121	128
C92465	127	135	150	152	150	160	143	149	144	SPILLED
C92466	132	130	135	137	138	140	132	145	143	135
C92467	127	119	149	NOT TAKEN						
C92468	133	122	129	119	126	125	132	132	131	240
C92469	SPILLED	130	143	131	129	150	155	125	122	121
C92470	134	143	138	NOT TAKEN						

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: MALE 8 - 0 PPM										
C92191	166	171	173	NOT TAKEN	164	165	165	170	174	171
C92193	179	182	190	NOT TAKEN	186	197	183	188	SPILLED	189
C92194	195	210	195	NOT TAKEN	190	195	191	204	189	204
C92195	172	168	173	NOT TAKEN	170	174	164	174	173	178
C92197	176	165	179	NOT TAKEN	176	180	175	183	186	173
C92198	NOT TAKEN									
C92199	167	167	181	NOT TAKEN	184	180	170	174	170	164
C92200	196	195	190	NOT TAKEN	176	189	186	174	167	194
C92201	175	179	176	NOT TAKEN	181	188	179	174	190	180
C92202	166	165	165	NOT TAKEN	164	166	164	174	173	171
C92203	201	207	208	NOT TAKEN	204	212	212	222	217	223
C92204	154	159	163	SPILLED	161	161	157	156	155	153
C92205	206	205	204	208	202	209	204	192	205	209
C92206	186	187	188	186	183	191	183	189	SPILLED	201
C92208	173	179	175	168	170	178	178	185	194	163
C92209	109	183	213	204	200	202	188	197	219	201
C92210	194	201	220	210	214	SPILLED	202	199	204	204
C92211	166	182	179	SPILLED	163	159	162	166	165	166
C92212	150	153	153	151	146	148	149	148	156	156
C92213	186	195	195	216	210	SPILLED	SPILLED	SPILLED	SPILLED	223
C92214	201	197	203	205	199	201	203	205	207	198
C92215	189	193	199	203	201	206	191	186	199	180
C92217	190	195	194	200	201	201	189	199	198	197
C92218	178	190	184	187	178	184	174	162	184	185
C92219	221	223	227	228	227	231	227	218	220	227
C92220	200	196	202	198	197	201	188	207	204	211
C92221	153	159	164	161	158	152	154	153	164	149
C92222	202	205	211	203	204	205	198	217	218	212
C92223	195	195	204	202	195	197	194	210	212	195
C92224	196	200	207	199	195	197	196	203	201	180
C92225	181	187	191	188	183	181	187	195	194	193
C92226	172	174	168	169	168	170	168	179	184	181

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: MALE 8 - 0 PPM										
C92227	188	183	192	184	186	195	191	196	206	210
C92228	184	189	183	182	182	185	176	187	184	192
C92229	200	197	200	194	195	202	191	209	211	221
C92230	219	229	234	229	225	SPILLED	226	229	SPILLED	210
C92231	175	177	175	168	172	173	158	148	166	165
C92232	SPILLED	SPILLED	234	221	230	247	244	248	247	239
C92233	188	198	196	186	186	186	189	202	199	197
C92234	216	219	221	220	211	219	208	222	213	200
C92235	168	169	165	162	163	166	154	162	166	156
C92236	162	164	162	163	148	153	149	154	149	152
C92237	201	202	206	203	196	202	197	205	206	207
C92238	185	190	188	188	192	187	192	193	203	196
C92239	191	192	188	197	197	204	198	206	218	195
C92240	206	210	213	203	214	210	203	205	205	209
C92241	167	180	173	179	169	170	158	173	178	184
C92242	187	190	195	197	188	190	188	190	201	188
C92243	200	206	210	213	208	207	210	206	205	215
C92244	206	205	206	210	208	202	196	203	204	210
C92245	216	214	217	219	222	226	215	220	221	225
C92246	190	204	210	200	193	187	191	180	178	175
C92247	211	221	217	209	215	214	202	209	205	221
C92248	196	213	198	207	199	203	194	198	203	202
C92249	178	182	178	181	190	191	173	175	187	195
C92250	200	201	207	208	203	213	196	202	204	206
C92251	173	178	179	174	173	179	173	176	177	186
C92252	SPILLED	240	217	225	193	SPILLED	180	180	183	176
C92253	195	191	200	195	193	196	185	200	202	163
C92254	212	209	214	211	214	211	203	208	206	202
C92255	180	181	186	NOT TAKEN						
C92256	200	208	212	NOT TAKEN						
C92257	174	161	155	NOT TAKEN						

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: MALE 8 - 0 PPM										
C92258	205	211	218	NOT TAKEN						
C92260	219	239	222	NOT TAKEN						
GROUP: MALE 9 - 1 PPM										
C92261	158	167	166	NOT TAKEN	167	171	177	174	182	190
C92262	200	207	207	NOT TAKEN	206	221	203	196	213	200
C92263	193	198	200	NOT TAKEN	210	213	203	205	202	204
C92265	SPILLED	234	232	NOT TAKEN	236	226	210	200	226	227
C92266	175	180	180	NOT TAKEN	179	177	146	175	185	182
C92267	160	163	166	NOT TAKEN	161	158	158	164	166	156
C92268	225	229	238	NOT TAKEN	SPILLED	243	236	237	246	249
C92269	SPILLED	SPILLED	SPILLED	NOT TAKEN	SPILLED	202	236	167	SPILLED	249
C92270	174	214	184	NOT TAKEN	201	185	173	176	193	185
C92271	202	221	227	NOT TAKEN	213	214	221	221	228	221
C92272	165	168	179	175	171	175	172	186	SPILLED	176
C92273	203	204	215	197	207	218	SPILLED	228	SPILLED	234
C92274	185	187	184	168	171	174	171	173	173	180
C92275	166	171	166	162	165	159	162	162	167	171
C92276	177	183	186	188	183	184	180	181	193	188
C92277	207	209	215	208	204	201	195	185	206	209
C92278	173	180	181	173	179	177	165	170	172	175
C92279	189	191	199	192	194	192	178	195	191	188
C92281	174	171	183	174	183	173	169	167	178	183
C92282	185	182	185	182	180	179	186	197	199	208
C92283	SPILLED	196	202	188	194	189	173	182	189	176
C92285	225	217	225	225	228	226	214	212	224	233
C92286	184	193	193	182	182	197	186	186	191	181
C92287	175	183	188	181	186	186	184	187	182	198
C92288	196	205	201	197	199	208	207	205	214	204
C92289	196	193	197	191	194	192	186	183	189	196

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: MALE 9 - 1 PPM										
C92290	189	189	202	197	201	195	174	182	179	185
C92291	150	155	158	163	163	153	152	162	166	163
C92292	174	178	182	179	176	176	181	192	189	198
C92293	196	219	210	207	199	204	198	207	212	213
C92294	195	192	196	184	202	195	171	180	180	189
C92295	201	199	190	187	206	197	175	193	191	195
C92296	170	178	180	179	179	178	183	188	191	197
C92297	167	175	171	180	174	166	175	183	187	194
C92298	202	208	221	211	215	210	188	217	204	207
C92299	187	195	196	178	185	184	SPILLED	182	SPILLED	182
C92301	192	202	203	203	209	203	197	215	204	210
C92302	220	227	228	213	213	218	212	226	205	241
C92303	176	182	186	183	183	189	185	194	199	197
C92304	193	208	205	205	202	198	208	206	214	222
C92305	190	202	211	212	214	213	184	186	196	192
C92306	196	207	210	205	210	211	195	205	191	203
C92307	194	203	200	199	199	200	188	204	211	211
C92308	163	169	176	157	157	154	SPILLED	166	164	184
C92309	184	189	180	173	177	173	172	174	181	184
C92310	198	207	215	207	220	222	201	192	193	190
C92311	193	201	202	193	201	205	203	210	196	214
C92312	165	170	174	171	172	173	177	176	176	167
C92313	191	197	204	201	210	207	202	196	208	209
C92314	182	189	191	179	188	192	183	184	189	195
C92315	213	211	205	210	216	219	206	201	192	199
C92316	160	171	160	171	165	167	149	154	158	154
C92317	196	190	192	196	204	198	191	192	201	199
C92318	193	202	204	198	194	211	197	199	194	193
C92319	188	200	196	194	190	169	202	195	218	196
C92320	207	206	196	206	201	203	196	194	196	198
C92321	169	174	170	166	175	173	163	174	173	171

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: MALE 9 - 1 PPM										
C92322	171	171	168	163	163	163	165	170	177	170
C92323	209	215	221	209	211	214	207	209	222	210
C92324	188	203	195	201	202	209	200	201	208	206
C92325	215	223	223	NOT TAKEN						
C92326	180	201	191	NOT TAKEN						
C92327	182	184	178	NOT TAKEN						
C92328	SPILLED	200	195	NOT TAKEN						
C92330	201	203	205	NOT TAKEN						
GROUP: FEMALE 8 - 0 PPM										
C92331	151	SPILLED	132	NOT TAKEN	167	SPILLED	159	155	165	195
C92333	136	141	144	NOT TAKEN	122	128	141	SPILLED	SPILLED	212
C92334	141	146	146	NOT TAKEN	151	134	142	140	156	155
C92336	127	114	123	NOT TAKEN	119	129	153	149	159	136
C92337	142	147	142	NOT TAKEN	146	148	145	165	177	171
C92338	180	SPILLED	194	NOT TAKEN	SPILLED	SPILLED	157	128	170	146
C92339	160	171	160	NOT TAKEN	153	170	151	156	173	177
C92340	143	130	138	NOT TAKEN	133	141	125	130	165	155
C92341	133	SPILLED	155	NOT TAKEN	140	155	150	137	162	177
C92342	121	123	133	NOT TAKEN	134	137	139	127	152	138
C92343	140	160	154	149	157	157	140	147	175	171
C92344	SPILLED	SPILLED	136	125	135	131	129	159	131	122
C92345	148	134	143	150	146	139	177	186	95	
C92346	126	115	124	132	122	123	128	123	137	126
C92347	120	SPILLED	132	140	120	123	116	130	134	133
C92348	SPILLED	124	133	129	123	SPILLED	114	114	121	119
C92349	150	133	157	132	146	151	134	145	148	157
C92350	131	131	121	126	126	126	125	130	133	132
C92351	108	111	109	105	97	110	110	109	119	117
C92353	SPILLED	125	194	164	128	SPILLED	133	134	141	145

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: FEMALE 8 - 0 PPM										
C92354	145	140	136	137	142	140	124	147	168	151
C92356	SPILLED	116	SPILLED	SPILLED	130	SPILLED	128	132	141	147
C92357	142	140	149	151	145	142	136	137	166	170
C92358	124	118	127	117	122	119	122	133	135	137
C92359	SPILLED	195	159	SPILLED	144	SPILLED	195	193	202	SPILLED
C92360	133	130	114	125	130	129	134	131	148	134
C92361	125	128	136	128	125	SPILLED	124	134	126	125
C92362	SPILLED	SPILLED	118	121	118	SPILLED	SPILLED	123	134	136
C92363	SPILLED	124	141	145	135	SPILLED	130	170	157	163
C92364	106	104	109	103	110	107	108	118	133	135
C92365	SPILLED	161	SPILLED	148	148	SPILLED	134	129	SPILLED	136
C92367	114	125	123	131	126	131	124	140	129	129
C92368	150	125	148	135	126	119	132	145	153	147
C92369	151	139	142	144	143	150	148	152	SPILLED	161
C92370	140	130	124	125	141	125	130	139	160	170
C92371	109	113	114	119	112	113	116	301	142	125
C92372	125	136	136	126	135	121	134	142	157	146
C92374	135	126	127	125	108	58	151	135	157	177
C92375	153	150	151	SPILLED	156	155	143	168	164	173
C92376	111	103	107	107	108	107	115	123	127	127
C92377	118	117	139	148	143	135	134	120	122	118
C92378	136	128	136	129	131	121	151	155	166	158
C92379	113	107	110	113	107	112	127	132	139	140
C92380	140	138	136	141	138	137	160	153	159	162
C92381	150	SPILLED	150	SPILLED	SPILLED	147	176	168	198	185
C92382	127	121	122	116	125	129	119	128	142	148
C92383	140	146	135	134	142	156	137	139	146	139
C92384	125	120	121	125	122	120	116	117	118	120
C92385	135	145	142	SPILLED	141	133	136	150	167	161
C92386	119	122	119	126	118	118	117	130	160	149
C92387	131	136	145	137	141	146	130	162	163	150

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: FEMALE 8 - 0 PPM										
C92388	SPILLED	SPILLED	132	SPILLED	SPILLED	148	SPILLED	154	143	144
C92389	120	126	132	126	122	128	121	134	SPILLED	129
C92390	SPILLED	SPILLED	SPILLED	SPILLED	132	SPILLED	133	SPILLED	SPILLED	137
C92391	SPILLED	SPILLED	SPILLED	137	136	SPILLED	SPILLED	196	SPILLED	160
C92392	121	121	118	109	122	114	115	113	119	117
C92393	130	123	149	153	166	125	137	137	198	203
C92394	135	127	133	127	118	126	117	129	144	146
C92395	128	144	128	134	130	132	200	142	145	134
C92396	SPILLED	SPILLED	167	NOT TAKEN						
C92397	118	129	133	NOT TAKEN						
C92398	133	131	132	NOT TAKEN						
C92399	107	111	112	NOT TAKEN						
C92400	141	125	133	NOT TAKEN						
GROUP: FEMALE 9 - 1 PPM										
C92401	145	147	149	NOT TAKEN	144	151	146	153	163	167
C92403	129	162	146	NOT TAKEN	136	139	143	152	167	155
C92404	134	142	143	NOT TAKEN	139	148	149	155	145	160
C92405	SPILLED	122	134	NOT TAKEN	140	121	115	121	146	140
C92406	118	SPILLED	120	NOT TAKEN	128	132	135	148	148	137
C92407	127	131	130	NOT TAKEN	131	130	148	144	166	162
C92408	116	119	117	NOT TAKEN	113	119	117	119	130	119
C92409	118	124	123	NOT TAKEN	132	120	120	136	139	129
C92410	113	125	125	NOT TAKEN	120	117	114	125	118	131
C92411	SPILLED	SPILLED	210	NOT TAKEN	153	SPILLED	SPILLED	189	184	173
C92412	SPILLED	SPILLED	146	SPILLED	126	SPILLED	SPILLED	122	133	161
C92413	133	132	148	181	172	181	170	183	189	164
C92414	126	139	138	137	129	131	141	140	152	145
C92415	133	145	127	146	139	133	148	134	151	154
C92416	100	114	116	SPILLED	SPILLED	125	127	124	128	131

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: FEMALE 9 - 1 PPM										
C92417	129	137	131	122	123	129	115	129	144	136
C92418	116	125	131	117	119	114	132	127	127	132
C92419	SPILLED	151	SPILLED	192	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	158
C92420	139	SPILLED	173	177	189	SPILLED	SPILLED	SPILLED	234	221
C92421	SPILLED	134	132	124	126	117	119	137	145	149
C92422	110	114	117	120	116	110	115	126	141	137
C92423	SPILLED	148	172	SPILLED	SPILLED	SPILLED	157	SPILLED	172	165
C92424	SPILLED	167	161	SPILLED	180	SPILLED	238	SPILLED	213	218
C92425	114	120	128	127	120	120	121	137	125	141
C92426	SPILLED	120	131	SPILLED	SPILLED	SPILLED	226	SPILLED	154	143
C92427	SPILLED	145	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	122	121	143
C92428	125	131	129	117	122	132	130	136	135	110
C92429	129	132	122	SPILLED	120	127	129	131	142	174
C92430	124	140	143	128	126	128	130	132	135	132
C92431	123	126	145	146	130	121	127	147	155	153
C92432	98	112	108	116	106	112	121	129	133	128
C92433	106	115	109	SPILLED	108	119	158	115	124	126
C92434	115	115	125	132	125	136	129	122	138	132
C92436	118	116	123	114	118	127	115	121	150	121
C92437	127	126	138	127	118	120	136	147	179	168
C92438	112	119	123	120	115	121	125	132	137	141
C92439	114	125	122	126	128	137	145	130	126	119
C92440	116	123	140	123	138	132	119	132	143	132
C92441	118	122	120	SPILLED	113	118	146	148	150	155
C92442	133	135	153	160	145	143	146	177	159	163
C92443	143	135	154	137	154	136	150	144	159	165
C92444	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	167	SPILLED	179
C92445	139	147	164	155	155	151	153	168	169	176
C92446	134	SPILLED	145	116	138	144	142	137	157	168
C92447	149	SPILLED	152	144	162	SPILLED	186	188	208	203
C92448	133	147	160	166	157	162	156	158	167	170

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: FEMALE 9 - 1 PPM										
C92449	SPILLED	SPILLED	131	161	159	142	130	134	142	138
C92450	127	144	163	142	141	154	150	154	164	161
C92451	126	140	134	139	131	148	166	155	160	159
C92452	152	161	166	169	171	168	SPILLED	151	158	SPILLED
C92453	154	149	148	151	146	142	128	121	144	139
C92454	141	161	150	156	147	143	120	121	145	140
C92455	153	125	129	140	130	134	120	116	130	132
C92456	129	SPILLED	SPILLED	124	125	136	153	112	122	118
C92457	125	134	139	134	130	132	142	128	133	156
C92458	132	138	139	117	128	142	146	149	160	159
C92459	104	121	128	124	137	130	134	133	122	124
C92460	SPILLED	SPILLED	192	SPILLED	239	SPILLED	SPILLED	207	SPILLED	180
C92461	144	147	157	SPILLED	158	SPILLED	149	163	175	172
C92462	150	133	155	132	139	141	142	135	146	125
C92464	123	134	133	NOT TAKEN						
C92465	139	151	141	NOT TAKEN						
C92466	SPILLED	144	158	NOT TAKEN						
C92468	SPILLED	132	123	NOT TAKEN						
C92469	119	114	121	NOT TAKEN						

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: MALE 8 - 0 PPM										
C92191	172	168	171	172	170	165	172	171	172	172
C92193	SPILLED	198	202	199	245	SPILLED	SPILLED	197	185	209
C92194	187	184	194	182	185	185	202	193	201	205
C92195	174	168	165	160	166					
C92197	175	167	162	165	168	160	146	160	158	146
C92199	168	161	163	156	157					
C92200	180	186	169	182	174	183	204	198	196	191
C92201	177	172	164	165	174	175	183	185	187	184
C92202	174	172	167	160	166	164	176	169	163	SPILLED
C92203	231	217	SPILLED	227	238	230	240	244	SPILLED	266
C92204	150	156	146	148	153	158	159	174	181	178
C92205	190	192	196	195	201					
C92206	188	184	185	187	181	180	197	190	178	89
C92208	194	192	199	201	199	193	202	212	204	212
C92209	197	188	198	193	197	187	194	197	189	191
C92210	200	193	199	214	214	215	SPILLED	231	235	212
C92211	168	158	206	165	168					
C92212	157	157	155	153	157	153	165	174	166	175
C92213	203	206	111	129						
C92214	192	168	188	188	198	193	199	197	173	167
C92215	193	198	206	196	193	173	134	145	117	151
C92217	195	191	181	179	191	178	192	186	206	204
C92218	173	168	161	162	170	165	168	174	191	194
C92219	219	221	215	215	222	214	223	228	224	238
C92220	200	200	188	182	185	SPILLED	175	180	169	128
C92221	157	157	157	155	151	152	150	156	160	158
C92222	208	209	198	197	199	190	198	193	204	207
C92223	195	182	193	197	187					
C92224	200	198	193	178	194	185	194	196	187	202
C92225	191	191	185	183	180	176	188	186	52	
C92226	186	175	184	191	191	168	185	198	203	214
C92227	208	203	199	182	190	193	205	209	216	229

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: MALE 8 - 0 PPM										
C92228	181	177	186	178	171	149	80	NOT TAKEN		
C92229	214	201	194	213	214	208	198	214	227	228
C92230	201	201	202	195	194					
C92231	172	170	159	168	177	176	186	193	185	192
C92232	227	255	240	245	237	231	240	242	231	SPILLED
C92233	194	188	190	186	184	184	188	195	194	215
C92234	220	217	229	162	235	211	237	239	244	243
C92235	159	162	164	139	162	148	141	159	157	157
C92236	148	151	154	146	149	148	159	171	157	171
C92237	202	193	207	206	196	225	234	241	253	244
C92238	190	194	200	188	194					
C92239	187	197	189	173	189	183	184	190	202	218
C92240	203	209	198	193	210	188	195	214	208	213
C92241	187	192	174	178	183	189	200	192	190	206
C92242	180	202	191	189	193	187	192	144		
C92243	210	209	202	196	201	180	219	189	95	
C92244	210	204	203	210	210	185	190	209		
C92245	212	208	197	159	207	SPILLED	217	22	NOT TAKEN	
C92246	182	180	172	177	186					
C92247	212	204	206	205	213					
C92248	194	202	193	189	196	192	170	119	46	
C92249	183	179	183	182	187	149	201	159	169	NOT TAKEN
C92250	197	207	189	196	198	203	212	216	217	209
C92251	178	190	180	173	181	175	189	188	197	206
C92252	167	160	159	178	163	155	162	167	176	180
C92253	198	194	158	168	192					
C92254	184	207	204	208	203	207	212	218	226	221

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: MALE 9 - 1 PPM										
C92261	192	185	183	179	170	181	187	190	187	184
C92262	199	195	188	196	187	190	186	194	193	188
C92263	200	195	197	199	194	188	208	209	202	210
C92265	214	221	237	217	200	199	199	201	201	189
C92266	161	169	170	172	172	174	179	187	190	190
C92267	160	160	160	159	154					
C92268	238	241	237	246	237	237	243	261	253	261
C92269	243	241	235	228	238	232	244	248	259	245
C92270	183	176	181	182	176	176	179	179	194	193
C92271	229	223	213	217	213	216	225	235	219	218
C92272	SPILLED	170	168	166	165	166	186	183	193	177
C92273	210	210								
C92274	173	176	149	170	170					
C92275	175	164	169	173	162	160	170	172	174	169
C92276	184	188	182	174	181	173	173	182	171	35
C92277	206	201	199	200	196	162	NOT TAKEN			
C92278	175	171	164	177	165	175	177	181	171	193
C92279	189	189	176	174	180	184	197	198	196	210
C92281	176	173	167	177	169	160	176	189	193	193
C92282	203	191	199	190	177	182	186	197	158	159
C92283	180	179	175	174	181	183	177	183	189	187
C92285	232	225	230	234	225	229	230	220	233	85
C92286	182	179	172	176	171					
C92287	184	186	182	191	174					
C92288	205	208	204	212	211					
C92289	184	183	177	178	179	173	207	195	192	182
C92290	178	173	164	160	148	72	60			
C92291	166	163	155	162	160	143	167	174	177	177
C92292	197	196	189	181	184	128	93	77		
C92293	210	202								
C92294	180	172	189	171	163	174	181	171	125	134

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: MALE 9 - 1 PPM										
C92295	191	177	186	196	201	194	202	176	184	202
C92296	188	186	185	183	167	165	166	172	162	158
C92297	SPILLED	174	179	174	174	161	162	179	183	187
C92298	189	192	210	201	195	189	196	76		
C92299	180	181	173	164	SPILLED	SPILLED	SPILLED	180	190	193
C92301	205	190	191	194	195	200	206	209	203	213
C92302	224	218	232	220	219	210	234	164	238	237
C92303	SPILLED	186	190	184	182					
C92304	209	211	200	207	202	199	204	221	210	223
C92305	194	188	185	186	190	193	161			
C92306	192	193	187	200	194	188	195	197	202	230
C92307	189	202	197	198	185	211	201	217	224	227
C92308	183	190	158	173	163	208	SPILLED	SPILLED	215	SPILLED
C92309	176	172	172	179	166	165	170	182	186	190
C92310	197	196	190	187	190	170	194	210	213	123
C92311	SPILLED	208	198	204	203	206	229	226	220	228
C92312	162	153	150	146	142	147	143	137		
C92313	208	207	201	205	197	195	197	217	215	230
C92314	184	187	181	175	178	169	172	189	186	180
C92315	192	192	188	181	195					
C92316	155	149	150	147	154	149	151	157	154	168
C92317	202	212	205	199	191					
C92318	182	177	181	177	173	182	181	189	195	197
C92319	197	187	181	192	173	176	185	187	SPILLED	192
C92320	200	192	199	193	199					
C92321	166	165	158	149	166	150	158	167	167	176
C92322	168	162	166	161	157	156	167	178	172	180
C92323	196	196	194	197	185	194	200	216	224	221
C92324	210	196	203	226	206					

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: FEMALE 8 - 0 PPM										
C92331	168	157	159	160	204	171	SPILLED	SPILLED	203	221
C92333	196	169	164	137	178	SPILLED	SPILLED	174	SPILLED	193
C92334	154	131	129	135	146	158	146	152	197	185
C92336	125	155	127	149	136	157	160	164	150	161
C92337	160	173	167	157	163	158	181	179	188	148
C92338	139	SPILLED	137	137	141	136	152	74	127	
C92339	173	173	169	164	165	212	186	186	188	204
C92340	156	155	167	161	SPILLED	201	188	170	176	142
C92341	170	157	170	161	156					
C92342	125	135	124	131						
C92343	152	140	147	151	133	138				
C92344	133	126	125	130	135	127	142	153	156	149
C92346	117	145	145	148	102	63	SPILLED			
C92347	117	140	95	NOT TAKEN						
C92348	119	113	125	126	122	136	125	147	139	148
C92349	165	152	148	137	155	140	147	166	154	196
C92350	127	132	126	127	133	137	134	134	141	148
C92351	110	117	121	107	100	132	111	104	120	128
C92353	149	136	137	141	141	136	136	164	200	170
C92354	143	140	145	146	125	142	153	141	165	167
C92356	144	130	145	155	165					
C92357	177	173	173	171	180					
C92358	135	132	135	136	139	140	132	127	162	160
C92359	167	172	151	SPILLED	156	165	SPILLED	177	177	181
C92360	133	128	136	139	142	135	128	163	149	168
C92361	131	145	136	133	136	138	148	156	158	163
C92362	127	119	122	134	130	143	116	149	200	183
C92363	SPILLED	151	146	153	126	141	153	174	178	186
C92364	135	122	142	110	71	62	54			
C92365	122	114	139	130	123					
C92367	129	119	124	132	139	124	111	141	130	136

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Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: FEMALE 8 - 0 PPM										
C92368	146	128	140	123	165	162	153	160	164	171
C92369	164	157	156	166	167	166	179	181	156	169
C92370	153	149	159	184	159	162	173	183	191	213
C92371	126	127	141	134	138	123	145	151	162	155
C92372	135	143	150	155	160					
C92374	156	147	155	146	155	158	161	158	146	142
C92375	164	172	168	186	191	185	180	201	207	206
C92376	129	133	126	131	165					
C92377	132	132	97	110	147	NOT TAKEN				
C92378	150	148	158	145	167	143	143	153	128	4
C92379	142	139	136	138	160	149	149	SPILLED	82	
C92380	150	153	133	197	139	151	193	168	167	75
C92381	168	167	161	172	171	157	153	82	6	
C92382	151	148	134	145	150	2				
C92383	139	133	131	118	145	144	151	158	163	168
C92384	123	126	139	130	140	142	154	153	171	152
C92385	153	157	160	158	147	167	164	170	181	192
C92386	149	145	151	141	142	137	144	153	144	146
C92387	142	141	145	151	163	150	153	171	170	SPILLED
C92388	125	150	143	133	157					
C92389	124	121	140	118	125					
C92390	125	130	133	126	123					
C92391	177	162	169	159	176	163	175	162	223	234
C92392	125	118	115	109	39	142	181	NOT TAKEN		
C92393	181	191	167	186	179	183	192	202	188	208
C92394	141	142	151	143	163	132	158	163	165	169
C92395	143	130	140	135	145					

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: FEMALE 9 - 1 PPM										
C92401	154	152	168	162	173	157	183	172	195	190
C92403	167	139	151	92						
C92404	158	164	143	152	147	149	163	158	181	166
C92405	139	126	136	131	146	143	133	150	141	166
C92406	150	148	124	136	147					
C92407	145	154	171	138	172					
C92408	135	120	135	122	137	125	125	126	143	138
C92409	151	138	148	140	151	141	157	156	148	179
C92410	135	127	121	115	130	133	132	137	137	141
C92411	168	163	159	215	175					
C92412	119	131	147	134	SPILLED	142	SPILLED	147	159	150
C92413	166	140	152	156	168	120	176	204	162	212
C92414	143	139	134	144	132	149	152			
C92415	153	133	151	156	144	159	172	167	160	133
C92416	134	123	130	121	129	108	124	121	147	137
C92417	148	121	146	140	147	132	151	149	168	177
C92418	125	124	132	131	131					
C92419	129	133	124	117	116	122	133	206	123	153
C92420	188	192	175	193	SPILLED	183	178	191	162	168
C92421	157	144	138	146	120	139	171	152	174	167
C92422	132	135	123	138	SPILLED					
C92423	SPILLED	183	152	168	SPILLED	150	154	143	168	165
C92424	SPILLED	209	SPILLED	245	SPILLED					
C92425	149	130	130	130	133	135	148	130	144	143
C92426	133	128	137	130	141	122	121	123	127	121
C92427	SPILLED	SPILLED	174	172	263	163	SPILLED			
C92428	146	128	129	134	115	128	80			
C92429	135	139	131	126	120	79	114			
C92430	139	131	144	141	127	138	139	141	159	156
C92431	166	133	159	141	127	163	144	175	185	149
C92432	136	131	134	133	149	138	142	151	146	77

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: FEMALE 9 - 1 PPM										
C92433	131	125	120	130	128					
C92434	134	130	126	129	139	139	149	156	148	154
C92436	127	120	132	130	127	115	127	SPILLED	132	148
C92437	166	153	144	85						
C92438	122	133	134	128	SPILLED					
C92439	SPILLED	114	128	117	108	127	111	125	136	147
C92440	138	131	128	168	123	132	220	130	141	167
C92441	SPILLED	162	178	170	179					
C92442	161	165	173	172	179	165	170	80	NOT TAKEN	
C92443	160	141	171	170	153	180	192	185	172	201
C92444	146	SPILLED	SPILLED	SPILLED	148	SPILLED	SPILLED	151	145	145
C92445	178	181	187	185	205	199	214	215	200	193
C92446	139	166	148	152	160	179	162	169	174	172
C92447	188	190	197	196	199	SPILLED	211	198	203	148
C92448	147	158	169	157	134	158	154	61	78	
C92449	146	148	150	160	187					
C92450	153	147	153	138	154	145	149	158	170	157
C92451	SPILLED	148	138	133	SPILLED	SPILLED	195	206	216	222
C92452	173	160	165	156	163	SPILLED	SPILLED	SPILLED	213	SPILLED
C92453	143	135	134	143	132	141	163	141	177	176
C92454	146	146	152	165	148	161	160	122	155	132
C92455	131	134	135	127	134	124	134	146	128	148
C92456	131	130	130	134	139	140	128	155	144	152
C92457	144	130	125	123	131	SPILLED	131	124	157	148
C92458	159	150	144	153	147	163	138	2		
C92459	137	120	129	129	134	139	127	134	146	151
C92460	147	SPILLED	130	140	129	128	137	137	149	155
C92461	168	163	137	170	185	176	68			
C92462	151	151	181	172	143	159	136	167	174	165

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP:	MALE 8 - 0 PPM							
C92191	173	151	157	155	152	169	191	NOT TAKEN
C92193	SPILLED	SPILLED	203	192	174	182	191	176
C92194	183	192	187	188	182	187	70	
C92197	139	132	141	140	141	134	173	126
C92200	37							
C92201	194	195	192	185	211			
C92202	155	141	126					
C92203	252	212	216	220	173	136	SPILLED	SPILLED
C92204	176	98						
C92206	NOT TAKEN							
C92208	208	196	188	200	188	220	227	251
C92209	191	191	162	177	167	143	141	180
C92210	218	187	210	217	207	98		
C92212	168	158	152	164	153	145	132	NOT TAKEN
C92214	167	136	5					
C92215	NOT TAKEN							
C92217	220							
C92218	180	180	172	168	140	149	59	117
C92219	240	225	172					
C92220	85							
C92221	158	146	139	132	92			
C92222	179	195	189	171	200	219	212	216
C92224	197	167	181	172	204	211	SPILLED	
C92226	211	184	145	102				
C92227	230	208	199	202	216	83	84	
C92229	215	160	164					
C92231	195	175	172	169	170	174	195	188
C92232	251	240	214	220	206	91	NOT TAKEN	
C92233	212	199	192	195	182	168	29	SPILLED
C92234	250	93	8					
C92235	147	131	152	118	123	156		
C92236	178	151	149	54				

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: MALE 8 - 0 PPM								
C92237	236	220	219	220	SPILLED	127	SPILLED	
C92239	204	184	194	199	186	143	77	SPILLED
C92240	214	174						
C92241	186	185	190	123	29			
C92250	230	227	183	162				
C92251	208	179	NOT TAKEN					
C92252	175	167	166	161	157	215	187	153
C92254	207	249	69					
GROUP: MALE 9 - 1 PPM								
C92261	183	183	177	173	181	189	186	211
C92262	179	181	186	184	213	SPILLED	SPILLED	
C92263	202	186	197	186	196	181	174	176
C92265	130	NOT TAKEN						
C92266	194	179	178	166	163	168	185	176
C92268	245	203	186	195	110	69	NOT TAKEN	
C92270	197	191	186	195	190	191	190	204
C92271	226	SPILLED	168	153				
C92272	174	158	185					
C92275	170	163	171	170	154	144	115	NOT TAKEN
C92278	176	170	178	200	184	172	194	202
C92279	184	129	125	SPILLED				
C92281	183	174	162	169	160	157	179	182
C92282	160	156	152	152	137	146	157	152
C92283	207	186	187	178	176	158	169	154
C92285	NOT TAKEN							
C92289	193	177	169	165	156	143	144	135
C92291	167	175	173	173	178	NOT TAKEN		
C92294	244	204	113	71	73	20		
C92295	202	181	184	184	189	166	187	193

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: MALE 9 - 1 PPM								
C92297	183	169	169	168	154	157	174	162
C92299	190	SPILLED	168	173	172	169	145	95
C92301	206	194	178					
C92302	252	218	202	213	109	NOT TAKEN		
C92304	203	206	202	184	183	NOT TAKEN		
C92306	201	183	196	187	187	185	190	
C92307	210	182	160	152	148	143	141	
C92308	207	SPILLED	SPILLED	SPILLED	182	154	161	101
C92309	191	183	175	179	173	170	166	130
C92311	200	213	211	204	200	219	249	233
C92313	221	211	216	224	215	170		
C92314	192	184	181	132	SPILLED			
C92316	170	147	SPILLED	148	121	80	114	
C92318	201	185	182	186	161	203	199	183
C92319	159	177	164	158	176	179	197	169
C92321	172	177	148	158	147	150	159	150
C92322	176	153	162	165	176	162	181	194
C92323	186	201	197	187	199	199	196	147
GROUP: FEMALE 8 - 0 PPM								
C92331	SPILLED	141	90	144	NOT TAKEN			
C92333	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	151	190	162
C92334	SPILLED	SPILLED	157	143	146	184	156	142
C92336	158	90						
C92337	160	95						
C92339	205	176	181	175	176			
C92340	131							
C92344	163	135	137	131	129	134	88	
C92348	171	147	144	156	116	170	128	169
C92349	150							

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: FEMALE 8 - 0 PPM								
C92350	139	136	104	78	100			
C92351	132	115	114	129	118	145	131	SPILLED
C92353	172	140	145	141	54	NOT TAKEN		
C92354	SPILLED	SPILLED	SPILLED	181	130	132	128	92
C92358	176	155	151	145	126	124	112	101
C92359	SPILLED	148	158	82	SPILLED			
C92360	155	110	131	174	142	142	153	156
C92361	162	144	114	132	SPILLED	176	SPILLED	
C92362	SPILLED	158	156	151	154	135	132	82
C92363	166	116						
C92367	SPILLED	130	125	127	123	130	147	148
C92368	163	161	174	177	146	105	82	
C92369	172	143	158	164	165	165	202	180
C92370	196	152	174	180	174	151	NOT TAKEN	
C92371	151	133	123	118				
C92374	158	157	151	138	212	147	157	157
C92375	171	89	32					
C92380	109	SPILLED						
C92383	166	150	157	151	152	159	158	163
C92384	136	162	126	NOT TAKEN				
C92385	161	135	24	113	53	NOT TAKEN		
C92386	161	SPILLED	132	142	128	136	135	136
C92391	209	157	119	134	51			
C92393	206	178	185	118	115			
C92394	82	126	SPILLED					
GROUP: FEMALE 9 - 1 PPM								
C92401	SPILLED	127	76	61	NOT TAKEN			
C92404	166	60						
C92405	161	152	135	144	126	18		

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: FEMALE 9 - 1 PPM								
C92408	144	130	128	146	131	155	SPILLED	NOT TAKEN
C92409	162	SPILLED	165	162	130	18		
C92410	144	128	135	139	142	139	140	125
C92412	128	140	114	139	139	145	140	147
C92413	185	165	177	166	117	132	119	
C92415	139	156	164	111				
C92416	144	136	128	129	123	93	136	156
C92417	188	165	49	25	85			
C92419	133	141	124	137	130	126	153	139
C92421	159	144	151	166	143	134	123	97
C92423	158	144	149	165	159	163	192	199
C92425	179	153	161	159	144	132	NOT TAKEN	
C92426	135	134	136	142	142	140	185	128
C92430	143	133	165	149	150	154	148	159
C92431	166	159	159	163	172	165	156	176
C92432	143							
C92434	173	156	SPILLED	157				
C92436	139	120	164	157	149	NOT TAKEN		
C92439	126	128	120	117	117	117	132	134
C92440	142	NOT TAKEN						
C92443	207	177	192	178	179	167	134	111
C92444	SPILLED	162	SPILLED	133	130	162	SPILLED	SPILLED
C92445	199	206	199	187	160	NOT TAKEN		
C92446	156	3						
C92447	63	80	82	83				
C92450	128	48	89	72				
C92451	226	SPILLED	203	197	52	SPILLED	SPILLED	SPILLED
C92452	184	SPILLED	155	177	166	198	SPILLED	SPILLED
C92453	183	155	148	128	75	63		
C92454	110	73						
C92455	153	151	149	157	153	160	58	

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: FEMALE 9 - 1 PPM								
C92456	SPILLED	131	135	127	140	138	133	157
C92457	159	84	89					
C92459	167	153	142	126	89	86		
C92460	147	134	80	107	58	SPILLED		
C92462	182	173	148	131	59	37		

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 9 - 1 PPM										
C92261	0.097	0.084	0.076	0.070	0.062	0.059	0.057	0.056	0.054	0.054
C92262	0.103	0.089	0.082	0.071	0.064	0.061	0.060	0.059	0.058	0.054
C92263	0.101	0.082	0.073	0.066	0.062	0.060	0.058	0.056	0.054	0.052
C92264	0.102	0.088	0.079	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92265	0.098	0.084	0.078	0.070	0.065	0.065	0.053	SPILLED	0.063	SPILLED
C92266	0.101	0.086	0.079	0.068	0.066	0.060	0.057	0.055	0.053	0.054
C92267	0.090	0.071	0.066	0.058	0.053	0.051	0.050	0.048	0.050	0.047
C92268	0.101	0.090	0.079	0.077	0.072	0.067	0.067	0.062	0.059	0.053
C92269	0.113	0.098	0.088	0.076	0.072	0.067	0.068	SPILLED	0.070	SPILLED
C92270	SPILLED	0.111	0.110	SPILLED	SPILLED	SPILLED	0.081	0.086	0.068	0.074
C92271	0.095	0.081	0.074	0.067	0.063	SPILLED	0.057	0.056	0.053	0.054
C92272	0.102	0.083	0.076	0.069	0.064	0.060	0.060	0.055	0.055	0.055
C92273	0.112	0.092	0.084	0.074	0.070	0.067	0.064	0.057	0.065	0.058
C92274	0.104	0.084	0.077	0.068	0.064	0.060	0.057	0.053	0.055	0.057
C92275	0.098	0.080	0.073	0.066	0.063	0.058	0.059	0.057	0.056	0.056
C92276	0.100	0.088	SPILLED	0.076	0.069	0.066	0.061	0.060	0.054	0.054
C92277	0.100	0.090	0.080	0.074	0.070	0.065	0.061	0.058	0.056	0.052
C92278	0.098	0.084	0.075	0.065	0.062	0.060	0.060	0.057	0.056	0.053
C92279	0.107	SPILLED	0.096	0.077	0.073	0.070	0.066	0.061	0.058	0.057
C92280	0.102	0.089	0.083	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92281	0.092	0.082	0.074	0.070	0.064	0.064	0.058	0.057	0.055	0.054
C92282	0.104	0.086	0.074	0.071	0.065	0.059	0.058	0.055	0.054	0.054
C92283	0.103	0.086	0.079	0.075	0.070	0.066	0.065	0.059	0.063	0.059
C92284	0.109	0.084	0.075	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92285	0.105	0.089	0.078	0.070	0.063	0.062	0.058	0.057	0.057	0.056
C92286	0.092	0.078	0.075	0.070	0.066	0.061	0.059	0.055	0.053	0.052
C92287	0.101	0.081	0.073	0.067	0.062	0.059	0.055	0.053	0.050	0.050
C92288	0.103	0.086	0.075	0.069	0.063	0.060	0.058	0.055	0.055	0.053
C92289	0.105	0.087	0.081	0.076	0.071	0.067	0.065	0.063	0.059	0.057
C92290	0.097	0.085	0.077	0.068	0.065	0.061	0.063	0.060	0.061	0.057
C92291	0.101	0.081	0.071	0.066	0.060	0.057	0.054	0.052	0.050	0.047

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 9 - 1 PPM										
C92292	0.097	0.081	0.076	0.071	0.067	0.064	0.062	0.058	0.057	0.058
C92293	0.106	0.094	0.037	0.074	SPILLED	0.067	0.064	0.060	0.058	0.058
C92294	0.093	0.076	0.067	0.063	0.060	0.059	0.059	0.061	0.062	0.058
C92295	0.114	0.109	0.089	0.076	0.068	0.062	0.059	0.059	0.055	0.054
C92296	0.100	0.085	0.076	0.068	0.063	0.058	0.056	0.053	0.053	0.053
C92297	0.102	0.086	0.078	0.071	0.064	0.060	0.058	0.059	0.059	0.060
C92298	0.099	0.081	0.074	0.068	0.065	0.060	0.057	0.053	0.052	0.049
C92299	0.107	0.087	0.080	0.076	0.069	0.068	0.067	SPILLED	SPILLED	0.061
C92300	0.097	0.086	0.077	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92301	0.108	0.087	0.081	0.072	0.069	0.063	0.055	0.056	0.055	0.054
C92302	0.101	0.087	0.076	0.068	0.064	0.059	0.056	0.056	0.053	0.050
C92303	0.103	0.086	0.080	0.071	0.068	0.063	0.059	0.055	0.054	0.052
C92304	0.104	0.086	0.078	0.072	0.066	0.063	0.060	0.057	0.058	0.055
C92305	0.107	0.090	0.078	0.073	0.069	0.068	0.063	0.055	0.057	0.053
C92306	0.105	0.091	0.080	0.069	0.070	0.061	0.060	0.060	0.057	0.057
C92307	0.121	0.093	0.086	0.077	0.074	0.069	0.067	0.064	0.061	0.057
C92308	0.101	0.085	0.076	0.070	0.064	0.062	0.062	0.059	0.058	0.057
C92309	0.106	0.090	0.080	0.070	0.066	0.065	0.063	0.068	0.060	0.057
C92310	0.102	0.087	0.077	0.072	0.066	0.062	0.060	0.062	0.053	0.053
C92311	0.109	0.089	0.080	0.073	0.069	0.065	0.061	0.061	0.056	0.057
C92312	0.093	0.080	0.076	0.069	0.066	0.064	0.064	0.060	0.060	0.059
C92313	0.097	0.081	0.072	0.065	0.064	0.062	0.063	0.057	0.058	0.056
C92314	0.090	0.078	0.072	0.065	0.065	0.058	0.059	0.056	0.054	0.053
C92315	0.105	0.091	0.078	0.070	0.072	0.068	0.068	0.062	0.060	0.059
C92316	0.104	0.106	SPILLED	0.079	SPILLED	0.064	0.057	0.055	0.051	0.049
C92317	0.094	0.081	0.072	0.068	0.064	0.059	0.057	0.055	0.054	0.052
C92318	0.114	0.096	0.086	0.082	SPILLED	0.065	0.064	0.068	0.058	0.056
C92319	0.108	0.095	SPILLED	0.074	0.070	0.062	0.063	0.055	0.055	0.054
C92320	0.112	0.097	0.085	0.077	0.072	0.067	0.065	0.060	0.059	0.058
C92321	0.111	0.094	0.080	0.075	0.069	0.062	0.064	0.058	0.060	0.057
C92322	0.117	0.093	0.078	0.078	0.068	0.062	0.059	0.057	0.055	0.053

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 9 - 1 PPM										
C92323	0.116	0.093	0.085	0.076	0.067	0.063	0.059	0.059	0.056	0.054
C92324	0.097	0.083	0.076	0.071	0.070	0.061	0.064	0.059	0.056	0.056
C92325	0.102	0.087	0.080	0.072	0.065	0.063	0.063	0.056	0.055	0.054
C92326	0.116	0.099	0.083	0.075	0.067	0.062	0.059	0.057	0.057	0.053
C92327	0.106	0.092	0.081	0.076	0.072	0.065	0.061	0.056	0.053	0.053
C92328	0.104	0.089	0.081	0.077	SPILLED	SPILLED	SPILLED	SPILLED	0.064	0.059
C92329	0.108	0.096	0.086	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92330	0.096	0.082	0.076	0.072	0.064	0.062	0.059	0.055	0.054	0.054
GROUP: FEMALE 9 - 1 PPM										
C92401	0.107	0.089	0.087	0.082	0.081	0.074	0.072	0.067	0.067	0.063
C92402	0.108	0.099	0.091	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92403	0.097	0.091	0.090	0.079	0.080	0.076	0.070	0.062	0.061	0.067
C92404	0.113	0.099	0.091	0.094	0.083	0.076	0.076	0.070	0.072	0.069
C92405	0.126	0.092	0.083	0.080	0.076	0.092	0.082	SPILLED	0.063	0.077
C92406	0.091	0.109	0.086	0.076	SPILLED	0.090	0.077	0.073	0.072	0.070
C92407	0.109	0.105	0.092	0.093	0.081	0.077	0.071	0.067	0.062	0.064
C92408	0.101	0.090	0.082	0.081	0.076	0.069	0.068	0.069	0.064	0.059
C92409	0.131	SPILLED	0.087	0.081	0.084	0.090	0.079	SPILLED	0.069	0.072
C92410	0.095	0.084	0.076	0.071	0.071	0.064	0.066	0.067	0.060	0.063
C92411	0.112	SPILLED	0.129	SPILLED	SPILLED	SPILLED	0.072	SPILLED	SPILLED	SPILLED
C92412	0.103	SPILLED	0.115	SPILLED	SPILLED	0.080	0.090	SPILLED	SPILLED	0.061
C92413	SPILLED	SPILLED	0.088	0.083	0.078	0.073	0.074	0.069	0.074	SPILLED
C92414	0.090	0.076	0.073	0.081	0.073	0.067	0.069	0.069	0.067	0.069
C92415	0.116	0.102	0.098	0.094	0.087	0.079	0.073	0.077	0.072	0.067
C92416	0.138	SPILLED	0.101	0.087	0.083	0.073	0.070	0.067	0.066	0.068
C92417	SPILLED	SPILLED	0.092	0.099	0.086	0.070	0.071	0.073	0.067	0.065
C92418	0.102	0.089	0.084	0.082	0.073	0.066	0.060	0.060	0.059	0.056
C92419	SPILLED	SPILLED	0.089	0.095	SPILLED	SPILLED	SPILLED	SPILLED	0.081	SPILLED
C92420	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	0.081	SPILLED	0.077	SPILLED

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 9 - 1 PPM										
C92421	0.099	0.088	0.080	0.075	0.073	0.082	0.068	SPILLED	SPILLED	SPILLED
C92422	0.098	0.096	0.080	0.076	0.077	0.075	0.069	0.066	0.066	0.066
C92423	SPILLED	SPILLED	0.144	SPILLED	SPILLED	0.080	0.087	SPILLED	SPILLED	SPILLED
C92424	SPILLED	0.121	0.118	SPILLED	SPILLED	SPILLED	SPILLED	0.089	0.082	SPILLED
C92425	0.123	0.100	0.095	0.089	0.085	0.076	0.072	0.077	0.069	0.069
C92426	0.113	0.107	0.098	0.086	0.076	0.086	0.074	0.074	SPILLED	0.065
C92427	0.093	0.102	0.077	0.082	SPILLED	SPILLED	0.088	0.123	0.070	0.069
C92428	0.094	0.087	0.088	0.078	0.073	0.072	0.071	SPILLED	0.064	0.063
C92429	SPILLED	SPILLED	0.091	0.089	0.083	0.086	0.073	SPILLED	0.068	0.069
C92430	0.107	0.091	0.104	0.082	0.086	0.071	0.075	0.068	0.065	0.064
C92431	0.101	0.089	0.082	0.078	0.075	0.074	0.071	0.071	0.072	0.066
C92432	0.102	0.088	0.084	0.081	0.077	0.070	0.068	0.073	0.064	0.065
C92433	SPILLED	SPILLED	0.126	0.131	SPILLED	SPILLED	SPILLED	SPILLED	0.068	SPILLED
C92434	0.110	0.086	0.089	0.075	0.077	0.075	0.071	0.073	0.067	0.070
C92435	0.108	0.094	0.081	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92436	0.106	0.086	0.087	0.081	0.080	0.073	0.073	0.065	0.066	0.063
C92437	0.096	0.079	0.078	0.073	0.076	0.073	0.067	0.067	0.063	0.067
C92438	0.111	0.092	0.086	0.082	0.080	0.075	0.069	0.068	0.063	0.060
C92439	0.102	0.089	0.079	0.079	0.074	0.068	0.068	0.073	0.061	0.060
C92440	SPILLED	0.124	0.111	0.098	0.080	0.076	0.072	0.071	0.072	0.065
C92441	0.095	0.097	0.082	0.079	0.078	0.071	0.069	0.076	0.060	0.062
C92442	0.110	0.099	0.097	0.091	0.083	0.080	0.083	0.073	0.068	0.068
C92443	0.109	0.092	0.088	0.083	0.081	0.081	0.075	0.073	0.061	0.069
C92444	SPILLED	0.104	0.103	SPILLED	0.088	SPILLED	0.088	SPILLED	SPILLED	SPILLED
C92445	0.109	0.101	0.089	0.085	0.080	0.074	0.070	0.064	0.061	0.065
C92446	0.113	0.098	0.103	0.091	0.082	SPILLED	0.080	0.068	0.063	0.073
C92447	0.099	0.093	0.107	0.086	0.080	0.075	NOT TAKEN	EXCLUDE	0.067	SPILLED
C92448	0.119	0.102	0.087	0.090	0.080	0.072	0.069	0.068	0.066	0.065
C92449	SPILLED	0.101	0.094	0.091	0.081	SPILLED	0.099	SPILLED	0.078	SPILLED
C92450	0.102	0.087	0.086	0.078	0.082	0.070	0.068	0.066	0.061	0.065
C92451	0.098	0.091	0.080	0.085	0.079	0.074	0.064	0.063	0.067	0.069

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 9 - 1 PPM										
C92452	0.113	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	0.084	0.079
C92453	0.104	0.087	0.091	0.081	0.080	SPILLED	SPILLED	0.073	0.071	0.074
C92454	0.119	0.104	0.093	0.090	0.081	0.086	SPILLED	0.071	0.069	0.071
C92455	0.107	0.091	0.089	0.086	0.081	0.072	SPILLED	0.071	0.065	0.071
C92456	SPILLED	SPILLED	SPILLED	0.141	SPILLED	SPILLED	SPILLED	SPILLED	0.080	SPILLED
C92457	0.110	0.090	0.088	0.080	0.083	0.072	0.064	SPILLED	0.072	0.064
C92458	0.109	0.100	0.095	0.089	0.083	0.084	0.070	0.074	0.071	0.076
C92459	0.109	0.098	0.089	0.086	0.081	0.077	0.075	0.075	0.071	0.070
C92460	0.126	SPILLED	SPILLED	0.092	0.097	0.092	0.082	0.092	0.122	SPILLED
C92461	0.122	0.112	0.087	0.086	SPILLED	0.082	0.071	SPILLED	SPILLED	0.076
C92462	0.106	SPILLED	0.095	0.087	0.080	SPILLED	0.087	0.078	0.080	0.075
C92463	0.106	0.096	0.088	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92464	0.114	0.097	0.088	0.089	0.081	0.081	0.082	0.070	0.071	0.073
C92465	0.114	0.103	0.099	0.092	0.085	0.087	0.076	0.076	0.070	SPILLED
C92466	0.111	0.097	0.091	0.084	0.079	0.077	0.072	0.078	0.075	0.069
C92467	0.106	0.088	0.098	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92468	0.116	0.092	0.088	0.076	0.076	0.074	0.077	0.074	0.071	0.129
C92469	SPILLED	0.112	0.108	0.091	0.086	0.096	0.095	0.075	0.073	0.072
C92470	0.110	0.104	0.091	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: MALE 9 - 1 PPM										
C92261	0.050	0.052	0.050	NOT TAKEN	0.050	0.050	0.049	0.047	0.048	0.048
C92262	0.052	0.053	0.051	NOT TAKEN	0.049	0.050	0.045	0.043	0.046	0.042
C92263	0.049	0.049	0.049	NOT TAKEN	0.049	0.048	0.044	0.042	0.041	0.040
C92264	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92265	SPILLED	0.060	0.059	NOT TAKEN	0.057	0.054	0.048	0.044	0.050	0.048
C92266	0.053	0.053	0.052	NOT TAKEN	0.050	0.049	0.039	0.044	0.046	0.043
C92267	0.047	0.047	0.047	NOT TAKEN	0.045	0.044	0.042	0.042	0.042	0.039
C92268	0.051	0.051	0.052	NOT TAKEN	SPILLED	0.049	0.044	0.042	0.043	0.041
C92269	SPILLED	SPILLED	SPILLED	NOT TAKEN	SPILLED	0.047	0.050	0.034	SPILLED	0.045
C92270	0.057	0.067	0.056	NOT TAKEN	0.060	0.054	0.047	0.045	0.049	0.045
C92271	0.049	0.052	0.052	NOT TAKEN	0.047	0.046	0.045	0.043	0.043	0.041
C92272	0.052	0.052	0.055	0.052	0.050	0.050	0.047	0.049	SPILLED	0.045
C92273	0.054	0.053	0.054	0.049	0.051	0.052	SPILLED	0.049	SPILLED	0.046
C92274	0.053	0.052	0.051	0.046	0.046	0.046	0.044	0.043	0.042	0.042
C92275	0.053	0.053	0.051	0.049	0.049	0.047	0.046	0.044	0.044	0.043
C92276	0.052	0.052	0.052	0.052	0.050	0.049	0.046	0.045	0.047	0.044
C92277	0.052	0.051	0.051	0.048	0.046	0.045	0.041	0.038	0.041	0.040
C92278	0.049	0.051	0.050	0.047	0.048	0.046	0.041	0.041	0.040	0.040
C92279	0.054	0.053	0.055	0.051	0.051	0.049	0.043	0.045	0.043	0.041
C92280	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92281	0.050	0.048	0.051	0.048	0.050	0.047	0.044	0.043	0.044	0.043
C92282	0.053	0.051	0.051	0.049	0.049	0.048	0.047	0.049	0.048	0.049
C92283	SPILLED	0.056	0.057	0.052	0.052	0.050	0.044	0.044	0.044	0.040
C92284	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92285	0.054	0.050	0.052	0.050	0.049	0.048	0.042	0.040	0.040	0.039
C92286	0.049	0.050	0.049	0.045	0.044	0.047	0.041	0.039	0.039	0.036
C92287	0.048	0.049	0.050	0.047	0.048	0.047	0.044	0.043	0.041	0.043
C92288	0.051	0.052	0.050	0.048	0.047	0.048	0.044	0.042	0.043	0.039
C92289	0.055	0.053	0.054	0.051	0.051	0.050	0.046	0.044	0.044	0.044
C92290	0.056	0.054	0.056	0.053	0.053	0.050	0.042	0.043	0.041	0.041
C92291	0.047	0.048	0.048	0.049	0.048	0.045	0.043	0.045	0.045	0.044

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: MALE 9 - 1 PPM										
C92292	0.058	0.057	0.056	0.054	0.052	0.052	0.049	0.049	0.046	0.045
C92293	0.056	0.061	0.057	0.055	0.051	0.052	0.047	0.047	0.047	0.045
C92294	0.055	0.052	0.053	0.049	0.052	0.050	0.042	0.042	0.042	0.042
C92295	0.053	0.052	0.049	0.047	0.051	0.048	0.041	0.044	0.043	0.042
C92296	0.051	0.052	0.051	0.049	0.048	0.047	0.046	0.044	0.044	0.044
C92297	0.057	0.058	0.056	0.058	0.055	0.053	0.053	0.054	0.054	0.054
C92298	0.048	0.049	0.051	0.047	0.047	0.045	0.039	0.043	0.040	0.040
C92299	0.060	0.062	0.060	0.054	0.056	0.055	SPILLED	0.050	SPILLED	0.049
C92300	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92301	0.052	0.054	0.052	0.052	0.053	0.050	0.047	0.049	0.045	0.045
C92302	0.050	0.050	0.049	0.045	0.044	0.045	0.041	0.041	0.037	0.041
C92303	0.050	0.050	0.051	0.049	0.048	0.049	0.045	0.045	0.046	0.044
C92304	0.050	0.052	0.051	0.050	0.048	0.047	0.046	0.044	0.046	0.046
C92305	0.051	0.053	0.054	0.053	0.052	0.051	0.043	0.042	0.043	0.041
C92306	0.056	0.056	0.056	0.054	0.054	0.053	0.046	0.045	0.041	0.042
C92307	0.056	0.057	0.055	0.054	0.052	0.052	0.046	0.048	0.048	0.046
C92308	0.054	0.056	0.058	0.051	0.050	0.049	SPILLED	0.051	0.049	0.053
C92309	0.055	0.056	0.053	0.050	0.050	0.049	0.046	0.046	0.047	0.046
C92310	0.050	0.051	0.052	0.049	0.051	0.050	0.043	0.039	0.039	0.037
C92311	0.052	0.052	0.052	0.049	0.050	0.049	0.046	0.045	0.040	0.042
C92312	0.055	0.056	0.056	0.054	0.054	0.053	0.052	0.051	0.050	0.046
C92313	0.054	0.054	0.055	0.053	0.054	0.051	0.047	0.044	0.045	0.043
C92314	0.052	0.052	0.052	0.049	0.051	0.051	0.046	0.045	0.045	0.045
C92315	0.058	0.057	0.054	0.054	0.055	0.054	0.048	0.045	0.042	0.042
C92316	0.049	0.051	0.047	0.050	0.048	0.047	0.041	0.041	0.042	0.040
C92317	0.051	0.048	0.048	0.048	0.048	0.046	0.041	0.040	0.040	0.038
C92318	0.056	0.057	0.056	0.053	0.051	0.055	0.049	0.047	0.045	0.043
C92319	0.054	0.056	0.054	0.053	0.051	0.045	0.052	0.049	0.053	0.048
C92320	0.058	0.056	0.052	0.054	0.052	0.052	0.048	0.046	0.045	0.043
C92321	0.056	0.057	0.055	0.053	0.055	0.054	0.049	0.050	0.049	0.046
C92322	0.056	0.055	0.053	0.051	0.050	0.049	0.048	0.047	0.047	0.043

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: MALE 9 - 1 PPM										
C92323	0.053	0.053	0.054	0.051	0.050	0.050	0.045	0.044	0.046	0.043
C92324	0.053	0.056	0.052	0.053	0.052	0.053	0.048	0.047	0.048	0.045
C92325	0.052	0.052	0.051	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92326	0.052	0.057	0.052	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92327	0.052	0.051	0.049	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92328	SPILLED	0.055	0.053	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92329	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92330	0.051	0.050	0.050	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
GROUP: FEMALE 9 - 1 PPM										
C92401	0.062	0.061	0.061	NOT TAKEN	0.058	0.060	0.055	0.054	0.057	0.054
C92402	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92403	0.057	0.070	0.063	NOT TAKEN	0.056	0.056	0.054	0.052	0.054	0.048
C92404	0.063	0.065	0.064	NOT TAKEN	0.062	0.065	0.060	0.060	0.055	0.058
C92405	SPILLED	0.063	0.069	NOT TAKEN	0.071	0.061	0.056	0.058	0.067	0.061
C92406	0.063	SPILLED	0.062	NOT TAKEN	0.067	0.068	0.067	0.071	0.072	0.067
C92407	0.059	0.059	0.057	NOT TAKEN	0.060	0.058	0.060	0.055	0.061	0.054
C92408	0.060	0.061	0.058	NOT TAKEN	0.057	0.059	0.055	0.054	0.059	0.053
C92409	0.061	0.063	0.062	NOT TAKEN	0.065	0.059	0.057	0.062	0.063	0.057
C92410	0.057	0.061	0.060	NOT TAKEN	0.058	0.056	0.053	0.055	0.053	0.057
C92411	SPILLED	SPILLED	0.096	NOT TAKEN	0.069	SPILLED	SPILLED	0.081	0.076	0.068
C92412	SPILLED	SPILLED	0.073	SPILLED	0.062	SPILLED	SPILLED	0.056	0.061	0.071
C92413	0.060	0.059	0.065	0.075	0.068	0.069	0.060	0.059	0.057	0.048
C92414	0.057	0.062	0.061	0.059	0.056	0.056	0.057	0.054	0.057	0.052
C92415	0.060	0.064	0.055	0.063	0.059	0.056	0.059	0.052	0.057	0.056
C92416	0.054	0.062	0.063	SPILLED	SPILLED	0.065	0.068	0.060	0.063	0.063
C92417	0.062	0.064	0.060	0.056	0.056	0.058	0.051	0.056	0.059	0.052
C92418	0.056	0.059	0.060	0.053	0.054	0.052	0.061	0.052	0.050	0.050
C92419	SPILLED	0.074	SPILLED	0.093	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	0.069
C92420	0.065	SPILLED	0.078	0.079	0.083	SPILLED	SPILLED	SPILLED	0.092	0.081

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP:	FEMALE 9 - 1 PPM									
C92421	SPILLED	0.066	0.063	0.059	0.059	0.055	0.055	0.059	0.061	0.061
C92422	0.058	0.059	0.060	0.061	0.058	0.054	0.055	0.057	0.060	0.056
C92423	SPILLED	0.073	0.082	SPILLED	SPILLED	SPILLED	0.071	SPILLED	0.073	0.067
C92424	SPILLED	0.082	0.078	SPILLED	0.087	SPILLED	0.105	SPILLED	0.086	0.085
C92425	0.059	0.062	0.065	0.062	0.058	0.058	0.057	0.059	0.054	0.059
C92426	SPILLED	0.068	0.071	SPILLED	SPILLED	SPILLED	0.117	SPILLED	0.075	0.068
C92427	SPILLED	0.080	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	0.060	0.059	0.067
C92428	0.060	0.063	0.060	0.053	0.056	0.059	0.055	0.055	0.053	0.044
C92429	0.069	0.069	0.063	SPILLED	0.061	0.064	0.061	0.061	0.064	0.075
C92430	0.060	0.068	0.068	0.060	0.058	0.059	0.058	0.056	0.057	0.055
C92431	0.055	0.056	0.064	0.062	0.054	0.050	0.053	0.058	0.061	0.058
C92432	0.057	0.064	0.060	0.064	0.057	0.061	0.062	0.062	0.063	0.059
C92433	0.055	0.059	0.056	SPILLED	0.055	0.060	0.076	0.055	0.058	0.057
C92434	0.063	0.063	0.067	0.070	0.065	0.070	0.066	0.060	0.067	0.063
C92435	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92436	0.065	0.062	0.065	0.059	0.060	0.063	0.056	0.057	0.068	0.055
C92437	0.068	0.067	0.071	0.063	0.058	0.059	0.062	0.064	0.076	0.068
C92438	0.058	0.060	0.062	0.060	0.057	0.060	0.059	0.061	0.062	0.061
C92439	0.057	0.061	0.058	0.059	0.060	0.063	0.063	0.057	0.055	0.051
C92440	0.059	0.064	0.071	0.061	0.068	0.063	0.056	0.061	0.064	0.057
C92441	0.061	0.062	0.060	SPILLED	0.056	0.058	0.066	0.062	0.060	0.059
C92442	0.056	0.056	0.062	0.062	0.056	0.055	0.053	0.058	0.053	0.050
C92443	0.062	0.058	0.065	0.057	0.064	0.056	0.059	0.054	0.055	0.054
C92444	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	0.085	SPILLED	0.087
C92445	0.054	0.056	0.061	0.056	0.054	0.052	0.049	0.049	0.046	0.044
C92446	0.061	SPILLED	0.063	0.051	0.061	0.061	0.056	0.054	0.060	0.061
C92447	0.065	SPILLED	0.065	0.061	0.067	SPILLED	0.066	0.063	0.067	0.062
C92448	0.060	0.065	0.068	0.068	0.062	0.063	0.057	0.054	0.055	0.055
C92449	SPILLED	SPILLED	0.067	0.082	0.079	0.069	0.060	0.060	0.064	0.063
C92450	0.059	0.065	0.071	0.060	0.059	0.063	0.057	0.056	0.057	0.053
C92451	0.065	0.070	0.066	0.068	0.064	0.072	0.071	0.062	0.063	0.060

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: FEMALE 9 - 1 PPM										
C92452	0.075	0.078	0.081	0.081	0.080	0.079	SPILLED	0.067	0.069	SPILLED
C92453	0.076	0.070	0.068	0.069	0.066	0.063	0.055	0.051	0.058	0.054
C92454	0.068	0.075	0.069	0.071	0.066	0.064	0.053	0.053	0.061	0.057
C92455	0.075	0.061	0.064	0.068	0.062	0.064	0.056	0.052	0.058	0.056
C92456	0.073	SPILLED	SPILLED	0.069	0.068	0.074	0.081	0.057	0.061	0.058
C92457	0.061	0.065	0.067	0.063	0.061	0.062	0.063	0.057	0.059	0.066
C92458	0.069	0.070	0.069	0.058	0.064	0.069	0.063	0.059	0.059	0.056
C92459	0.061	0.069	0.072	0.070	0.075	0.071	0.069	0.067	0.060	0.037
C92460	SPILLED	SPILLED	0.105	SPILLED	0.126	SPILLED	SPILLED	0.100	SPILLED	0.081
C92461	0.074	0.074	0.079	SPILLED	0.077	SPILLED	0.069	0.070	0.074	0.069
C92462	0.090	0.077	0.088	0.075	0.078	0.077	0.076	0.070	0.073	0.064
C92463	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92464	0.070	0.075	0.073	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92465	0.067	0.072	0.065	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92466	SPILLED	0.072	0.077	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92467	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92468	SPILLED	0.068	0.063	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92469	0.069	0.066	0.070	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92470	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: MALE 9 - 1 PPM										
C92261	0.047	0.044	0.042	0.040	0.037	0.038	0.038	0.038	0.037	0.035
C92262	0.041	0.040	0.037	0.038	0.036	0.036	0.035	0.036	0.036	0.034
C92263	0.038	0.036	0.036	0.035	0.033	0.032	0.035	0.034	0.033	0.034
C92264	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92265	0.045	0.045	0.049	0.043	0.039	0.038	0.037	0.038	0.038	0.037
C92266	0.038	0.038	0.037	0.036	0.035	0.035	0.035	0.035	0.035	0.035
C92267	0.039	0.038	0.037	0.036	0.034	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92268	0.037	0.037	0.035	0.035	0.032	0.031	0.031	0.033	0.031	0.031
C92269	0.042	0.040	0.038	0.036	0.036	0.034	0.035	0.036	0.036	0.034
C92270	0.043	0.040	0.040	0.039	0.037	0.036	0.036	0.035	0.037	0.036
C92271	0.040	0.038	0.035	0.035	0.034	0.033	0.034	0.035	0.033	0.033
C92272	SPILLED	0.040	0.039	0.037	0.035	0.035	0.038	0.036	0.038	0.034
C92273	0.039	0.038	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92274	0.040	0.039	0.033	0.036	0.035	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92275	0.042	0.039	0.039	0.039	0.036	0.036	0.037	0.037	0.038	0.037
C92276	0.042	0.042	0.040	0.038	0.041	0.040	0.040	0.042	0.042	0.013
C92277	0.038	0.036	0.035	0.035	0.034	0.029	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92278	0.038	0.037	0.034	0.036	0.033	0.034	0.034	0.034	0.032	0.036
C92279	0.040	0.039	0.035	0.034	0.035	0.034	0.036	0.035	0.035	0.037
C92280	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92281	0.041	0.039	0.037	0.038	0.036	0.033	0.035	0.037	0.037	0.037
C92282	0.046	0.042	0.043	0.041	0.037	0.038	0.038	0.040	0.033	0.035
C92283	0.040	0.038	0.037	0.036	0.036	0.035	0.033	0.034	0.035	0.034
C92284	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92285	0.037	0.035	0.034	0.034	0.031	0.031	0.030	0.029	0.032	0.014
C92286	0.035	0.034	0.032	0.032	0.031	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92287	0.039	0.038	0.036	0.037	0.033	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92288	0.038	0.037	0.035	0.036	0.034	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92289	0.041	0.039	0.037	0.036	0.036	0.038	0.042	0.038	0.037	0.035
C92290	0.038	0.037	0.034	0.033	0.031	0.017	0.017	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92291	0.043	0.041	0.038	0.040	0.038	0.035	0.039	0.040	0.040	0.040

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: MALE 9 - 1 PPM										
C92292	0.043	0.041	0.037	0.035	0.035	0.026	0.022	0.022	NOT TAKEN	NOT TAKEN
C92293	0.043	0.042	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92294	0.040	0.038	0.040	0.035	0.033	0.034	0.035	0.032	0.025	0.029
C92295	0.039	0.036	0.037	0.038	0.038	0.036	0.037	0.032	0.033	0.036
C92296	0.041	0.039	0.038	0.037	0.033	0.032	0.032	0.034	0.032	0.035
C92297	SPILLED	0.046	0.046	0.044	0.043	0.039	0.039	0.042	0.043	0.043
C92298	0.036	0.036	0.039	0.036	0.034	0.033	0.034	0.015	NOT TAKEN	NOT TAKEN
C92299	0.047	0.046	0.044	0.042	SPILLED	SPILLED	SPILLED	0.042	0.044	0.044
C92300	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92301	0.042	0.038	0.037	0.036	0.036	0.037	0.037	0.037	0.035	0.036
C92302	0.037	0.035	0.036	0.033	0.032	0.030	0.033	0.022	0.032	0.032
C92303	SPILLED	0.039	0.039	0.037	0.036	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92304	0.042	0.041	0.038	0.038	0.036	0.035	0.035	0.037	0.035	0.037
C92305	0.040	0.038	0.036	0.035	0.036	0.037	0.038	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92306	0.038	0.038	0.036	0.037	0.035	0.034	0.034	0.034	0.034	0.039
C92307	0.041	0.042	0.040	0.039	0.037	0.041	0.039	0.042	0.043	0.043
C92308	0.053	0.053	0.044	0.048	0.045	0.056	SPILLED	SPILLED	0.054	SPILLED
C92309	0.043	0.041	0.040	0.040	0.036	0.035	0.035	0.038	0.038	0.038
C92310	0.037	0.036	0.035	0.034	0.034	0.030	0.034	0.036	0.036	0.021
C92311	SPILLED	0.039	0.035	0.035	0.034	0.034	0.036	0.035	0.034	0.035
C92312	0.045	0.042	0.041	0.041	0.040	0.043	0.042	0.042	NOT TAKEN	NOT TAKEN
C92313	0.042	0.041	0.038	0.038	0.036	0.035	0.035	0.038	0.037	0.039
C92314	0.041	0.040	0.038	0.037	0.037	0.035	0.035	0.037	0.036	0.035
C92315	0.040	0.039	0.037	0.035	0.037	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92316	0.038	0.036	0.035	0.034	0.035	0.033	0.033	0.034	0.033	0.035
C92317	0.038	0.037	0.035	0.034	0.032	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92318	0.039	0.038	0.037	0.035	0.033	0.034	0.033	0.034	0.034	0.034
C92319	0.047	0.043	0.041	0.043	0.038	0.038	0.039	0.039	SPILLED	0.040
C92320	0.042	0.040	0.040	0.037	0.037	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92321	0.044	0.042	0.040	0.037	0.040	0.035	0.036	0.039	0.038	0.040
C92322	0.042	0.039	0.038	0.036	0.034	0.034	0.035	0.037	0.035	0.035

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: MALE 9 - 1 PPM										
C92323	0.039	0.038	0.036	0.036	0.033	0.033	0.033	0.035	0.036	0.034
C92324	0.045	0.041	0.041	0.046	0.042	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92325	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92326	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92327	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92328	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92329	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92330	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
GROUP: FEMALE 9 - 1 PPM										
C92401	0.047	0.045	0.047	0.043	0.045	0.038	0.043	0.039	0.042	0.040
C92402	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92403	0.049	0.040	0.041	0.028	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92404	0.054	0.053	0.044	0.045	0.043	0.041	0.044	0.041	0.046	0.042
C92405	0.058	0.050	0.053	0.051	0.054	0.050	0.046	0.049	0.047	0.053
C92406	0.069	0.064	0.054	0.058	0.059	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92407	0.049	0.048	0.050	0.039	0.048	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92408	0.057	0.051	0.055	0.050	0.053	0.046	0.044	0.044	0.049	0.046
C92409	0.062	0.054	0.055	0.050	0.053	0.048	0.052	0.050	0.047	0.054
C92410	0.055	0.051	0.048	0.045	0.049	0.048	0.047	0.048	0.048	0.048
C92411	0.064	0.060	0.058	0.076	0.059	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92412	0.050	0.053	0.057	0.050	SPILLED	0.050	SPILLED	0.049	0.052	0.048
C92413	0.048	0.040	0.044	0.045	0.049	0.034	0.046	0.053	0.040	0.049
C92414	0.049	0.046	0.043	0.044	0.040	0.044	0.043	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92415	0.053	0.044	0.048	0.047	0.042	0.044	0.046	0.043	0.042	0.037
C92416	0.060	0.053	0.054	0.048	0.050	0.041	0.046	0.045	0.053	0.048
C92417	0.053	0.042	0.050	0.046	0.046	0.040	0.042	0.040	0.045	0.045
C92418	0.045	0.044	0.045	0.042	0.041	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92419	0.056	0.057	0.053	0.049	0.049	0.050	0.053	0.079	0.048	0.057
C92420	0.067	0.066	0.058	0.060	SPILLED	0.054	0.050	0.051	0.043	0.042

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: FEMALE 9 - 1 PPM										
C92421	0.061	0.055	0.051	0.052	0.045	0.049	0.056	0.048	0.053	0.050
C92422	0.051	0.050	0.046	0.048	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92423	SPILLED	0.068	0.055	0.059	SPILLED	0.049	0.048	0.045	0.051	0.049
C92424	SPILLED	0.076	SPILLED	0.083	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92425	0.057	0.048	0.047	0.046	0.045	0.044	0.046	0.040	0.044	0.042
C92426	0.061	0.058	0.061	0.058	0.060	0.052	0.051	0.050	0.051	0.050
C92427	SPILLED	SPILLED	0.064	0.057	0.082	0.049	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92428	0.055	0.047	0.046	0.048	0.040	0.042	0.026	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92429	0.057	0.057	0.051	0.047	0.044	0.030	0.043	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92430	0.055	0.051	0.054	0.050	0.045	0.047	0.046	0.044	0.049	0.045
C92431	0.059	0.046	0.053	0.044	0.038	0.047	0.041	0.046	0.048	0.038
C92432	0.060	0.055	0.055	0.052	0.055	0.051	0.050	0.051	0.051	0.030
C92433	0.057	0.053	0.049	0.050	0.047	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92434	0.061	0.057	0.054	0.053	0.055	0.052	0.054	0.056	0.051	0.051
C92435	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92436	0.057	0.053	0.057	0.055	0.053	0.048	0.052	SPILLED	0.052	0.056
C92437	0.064	0.057	0.054	0.034	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92438	0.052	0.055	0.054	0.050	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92439	SPILLED	0.047	0.050	0.045	0.041	0.047	0.041	0.045	0.048	0.050
C92440	0.059	0.053	0.051	0.061	0.045	0.048	0.076	0.044	0.048	0.054
C92441	SPILLED	0.057	0.058	0.052	0.053	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92442	0.047	0.045	0.044	0.042	0.042	0.037	0.037	0.019	NOT TAKEN	NOT TAKEN
C92443	0.049	0.042	0.048	0.044	0.038	0.044	0.045	0.040	0.037	0.042
C92444	0.069	SPILLED	SPILLED	SPILLED	0.059	SPILLED	SPILLED	0.057	0.053	0.050
C92445	0.042	0.040	0.040	0.037	0.040	0.036	0.037	0.035	0.033	0.031
C92446	0.049	0.054	0.044	0.044	0.044	0.047	0.039	0.040	0.041	0.040
C92447	0.055	0.054	0.056	0.052	0.051	SPILLED	0.048	0.043	0.044	0.034
C92448	0.045	0.049	0.049	0.044	0.037	0.042	0.040	0.018	0.028	NOT TAKEN
C92449	0.064	0.064	0.062	0.062	0.070	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92450	0.049	0.046	0.047	0.042	0.045	0.041	0.041	0.042	0.045	0.042
C92451	SPILLED	0.051	0.045	0.043	SPILLED	SPILLED	0.056	0.057	0.058	0.057

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: FEMALE 9 - 1 PPM										
C92452	0.073	0.064	0.064	0.059	0.059	SPILLED	SPILLED	SPILLED	0.070	SPILLED
C92453	0.053	0.048	0.045	0.047	0.042	0.042	0.047	0.040	0.048	0.046
C92454	0.057	0.054	0.053	0.053	0.047	0.049	0.045	0.036	0.046	0.041
C92455	0.053	0.053	0.051	0.046	0.046	0.042	0.043	0.045	0.039	0.044
C92456	0.062	0.059	0.056	0.054	0.052	0.049	0.043	0.050	0.046	0.047
C92457	0.057	0.051	0.048	0.046	0.048	SPILLED	0.045	0.042	0.052	0.047
C92458	0.053	0.048	0.044	0.045	0.042	0.045	0.037	0.001	NOT TAKEN	NOT TAKEN
C92459	0.057	0.056	0.058	0.055	0.055	0.054	0.048	0.050	0.052	0.052
C92460	0.062	SPILLED	0.054	0.054	0.048	0.046	0.048	0.047	0.051	0.051
C92461	0.064	0.060	0.049	0.058	0.060	0.053	0.023	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92462	0.074	0.067	0.073	0.063	0.051	0.053	0.043	0.052	0.052	0.048
C92463	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92464	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92465	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92466	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92467	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92468	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92469	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92470	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: MALE 9 - 1 PPM								
C92261	0.035	0.034	0.032	0.032	0.032	0.033	0.033	0.037
C92262	0.033	0.034	0.035	0.038	0.049	SPILLED	SPILLED	NOT TAKEN
C92263	0.033	0.030	0.031	0.030	0.031	0.029	0.029	0.032
C92264	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92265	0.027	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92266	0.036	0.032	0.031	0.029	0.028	0.028	0.031	0.030
C92267	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92268	0.029	0.024	0.022	0.024	0.015	0.011	NOT TAKEN	NOT TAKEN
C92269	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92270	0.037	0.034	0.032	0.033	0.031	0.031	0.033	0.036
C92271	0.035	SPILLED	0.027	0.027	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92272	0.034	0.032	0.039	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92273	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92274	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92275	0.037	0.036	0.037	0.037	0.035	0.034	0.033	NOT TAKEN
C92276	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92277	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92278	0.033	0.031	0.032	0.036	0.032	0.029	0.034	0.035
C92279	0.032	0.024	0.026	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92280	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92281	0.036	0.033	0.030	0.032	0.030	0.030	0.036	0.037
C92282	0.036	0.035	0.034	0.034	0.031	0.033	0.036	0.035
C92283	0.038	0.033	0.032	0.030	0.030	0.027	0.031	0.031
C92284	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92285	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92286	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92287	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92288	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92289	0.037	0.033	0.031	0.031	0.030	0.029	0.032	0.034
C92290	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92291	0.038	0.038	0.037	0.037	0.037	NOT TAKEN	NOT TAKEN	NOT TAKEN

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: MALE 9 - 1 PPM								
C92292	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92293	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92294	0.050	0.039	0.024	0.018	0.020	0.007	NOT TAKEN	NOT TAKEN
C92295	0.036	0.031	0.031	0.030	0.031	0.027	0.031	0.032
C92296	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92297	0.041	0.037	0.036	0.035	0.032	0.032	0.036	0.034
C92298	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92299	0.042	SPILLED	0.037	0.037	0.036	0.035	0.031	0.022
C92300	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92301	0.035	0.032	0.029	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92302	0.034	0.029	0.027	0.029	0.017	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92303	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92304	0.033	0.034	0.032	0.029	0.029	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92305	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92306	0.034	0.030	0.032	0.030	0.029	0.028	0.030	NOT TAKEN
C92307	0.042	0.037	0.034	0.034	0.034	0.034	0.038	NOT TAKEN
C92308	0.052	SPILLED	SPILLED	SPILLED	0.047	0.037	0.038	0.026
C92309	0.038	0.036	0.034	0.035	0.033	0.033	0.035	0.031
C92310	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92311	0.030	0.032	0.031	0.029	0.029	0.030	0.034	0.032
C92312	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92313	0.037	0.035	0.035	0.036	0.034	0.027	NOT TAKEN	NOT TAKEN
C92314	0.037	0.035	0.034	0.028	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92315	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92316	0.035	0.030	SPILLED	0.032	0.027	0.020	0.031	NOT TAKEN
C92317	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92318	0.035	0.032	0.032	0.033	0.028	0.034	0.034	0.032
C92319	0.034	0.036	0.033	0.033	0.035	0.036	0.041	0.035
C92320	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92321	0.039	0.040	0.034	0.036	0.033	0.033	0.037	0.035
C92322	0.035	0.029	0.030	0.031	0.032	0.029	0.033	0.035

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: MALE 9 - 1 PPM								
C92323	0.028	0.030	0.030	0.028	0.029	0.029	0.030	0.024
C92324	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92325	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92326	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92327	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92328	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92329	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92330	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
GROUP: FEMALE 9 - 1 PPM								
C92401	SPILLED	0.028	0.019	0.018	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92402	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92403	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92404	0.041	0.016	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92405	0.049	0.045	0.040	0.042	0.036	0.006	NOT TAKEN	NOT TAKEN
C92406	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92407	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92408	0.047	0.043	0.042	0.045	0.041	0.048	SPILLED	NOT TAKEN
C92409	0.048	SPILLED	0.046	0.044	0.035	0.006	NOT TAKEN	NOT TAKEN
C92410	0.048	0.042	0.043	0.043	0.042	0.040	0.040	0.037
C92411	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92412	0.041	0.043	0.035	0.041	0.040	0.041	0.040	0.042
C92413	0.042	0.037	0.038	0.035	0.026	0.030	0.032	NOT TAKEN
C92414	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92415	0.040	0.043	0.043	0.030	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92416	0.049	0.045	0.042	0.041	0.039	0.031	0.044	0.049
C92417	0.045	0.039	0.013	0.009	0.042	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92418	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92419	0.049	0.050	0.043	0.046	0.043	0.040	0.049	0.045
C92420	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: FEMALE 9 - 1 PPM								
C92421	0.046	0.041	0.041	0.044	0.036	0.033	0.032	0.029
C92422	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92423	0.046	0.041	0.042	0.044	0.042	0.041	0.047	0.047
C92424	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92425	0.050	0.042	0.041	0.039	0.034	0.030	NOT TAKEN	NOT TAKEN
C92426	0.056	0.055	0.054	0.056	0.058	0.053	0.069	0.045
C92427	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92428	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92429	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92430	0.042	0.038	0.046	0.040	0.039	0.040	0.039	0.042
C92431	0.042	0.039	0.037	0.038	0.039	0.036	0.035	0.039
C92432	0.059	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92433	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92434	0.057	0.051	SPILLED	0.046	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92435	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92436	0.052	0.045	0.057	0.053	0.048	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92437	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92438	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92439	0.043	0.043	0.040	0.038	0.037	0.036	0.041	0.041
C92440	0.046	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92441	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92442	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92443	0.042	0.034	0.035	0.032	0.032	0.030	0.026	0.025
C92444	SPILLED	0.054	SPILLED	0.044	0.042	0.051	SPILLED	SPILLED
C92445	0.032	0.033	0.030	0.028	0.024	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92446	0.037	0.001	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92447	0.017	0.026	0.029	0.034	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92448	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92449	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92450	0.037	0.017	0.035	0.035	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92451	0.057	SPILLED	0.049	0.047	0.013	SPILLED	SPILLED	SPILLED

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: FEMALE 9 - 1 PPM								
C92452	0.057	SPILLED	0.046	0.052	0.047	0.055	SPILLED	SPILLED
C92453	0.045	0.037	0.034	0.030	0.021	0.020	NOT TAKEN	NOT TAKEN
C92454	0.040	0.034	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92455	0.044	0.042	0.038	0.039	0.036	0.036	0.015	NOT TAKEN
C92456	SPILLED	0.038	0.038	0.035	0.037	0.036	0.035	0.040
C92457	0.051	0.029	0.037	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92458	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92459	0.056	0.050	0.046	0.042	0.032	0.032	NOT TAKEN	NOT TAKEN
C92460	0.047	0.043	0.027	0.040	0.023	SPILLED	NOT TAKEN	NOT TAKEN
C92461	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92462	0.051	0.047	0.039	0.035	0.018	0.014	NOT TAKEN	NOT TAKEN
C92463	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92464	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92465	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92466	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92467	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92468	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92469	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92470	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN

APPENDIX 5

Individual Clinical Hematology Data
Individual Clinical Chemistry Data
Individual Clinical Urinalysis Data
Individual Urine Chemistry Data

Appendix 5

Individual Clinical Hematology Data

Males Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
Group: 8	Dose Level: 0		Dosage Unit: ppm				
C92191	9.14	16.1	46.2	50.5	17.6	34.8	1317
C92193	9.40	16.1	46.1	49.1	17.1	34.8	1003
C92194	8.68	15.3	44.6	51.4	17.6	34.2	1053
C92195	8.44	15.4	46.0	54.5	18.3	33.6	1019
C92197	8.31	15.8	45.9	55.2	19.0	34.4	1104
C92199	7.37	13.9	40.7	55.2	18.9	34.2	1019
C92200	8.34	14.6	43.6	52.3	17.5	33.4	1168
C92201	6.49	12.5	36.8	56.7	19.3	34.1	1128
C92202	8.45	16.2	47.4	56.2	19.2	34.3	1083
C92203	8.58	15.6	45.8	53.4	18.1	34.0	1042
MEAN	8.32	15.2	44.3	53.4	18.3	34.2	1094
S.D.	.838	1.18	3.23	2.55	.80	.45	94.6
N	10	10	10	10	10	10	10
Group: 9	Dose Level: 1		Dosage Unit: ppm				
C92261	8.72	15.8	46.1	52.8	18.1	34.2	1063
C92262	8.33	14.6	43.1	51.8	17.6	33.9	1217
C92263	7.75	14.4	42.4	54.7	18.6	34.0	1053
C92265	8.57	14.7	44.0	51.3	17.1	33.4	1104
C92266	8.33	15.1	44.2	53.1	18.1	34.1	1134
C92267	8.09	14.5	42.6	52.6	17.9	34.0	1078
C92268	7.98	14.1	41.6	52.2	17.7	33.9	1045
C92269	8.31	15.6	45.0	54.2	18.7	34.6	962
C92270	9.21	15.9	46.2	50.1	17.2	34.3	1018
C92271	8.55	15.5	45.5	53.2	18.2	34.1	1262
MEAN	8.38	15.0	44.1	52.6	17.9	34.0	1094
S.D.	.411	.64	1.62	1.35	.53	.31	90.4
N	10	10	10	10	10	10	10

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Individual Clinical Hematology Data

Males Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
Group: 8	Dose Level: 0		Dosage Unit: ppm								
C92191	14.1	1.6	11.0	1.3	.2	.0	12	78	9	2	0
C92193	8.3	1.2	6.2	.7	.1	.0	15	75	9	1	0
C92194	10.0	1.0	7.6	1.0	.4	.0	10	76	10	4	0
C92195	10.7	1.4	8.4	.7	.2	.0	13	78	6	2	0
C92197	8.5	1.0	6.6	.6	.2	.0	12	78	7	2	0
C92199	8.4	1.3	5.8	1.1	.2	.0	15	69	13	2	0
C92200	12.3	1.9	9.3	.8	.3	.0	15	76	6	3	0
C92201	10.8	1.2	8.3	.8	.5	.0	11	77	8	5	0
C92202	12.9	1.1	10.9	.7	.2	.0	8	85	6	1	0
C92203	7.8	1.2	5.2	1.1	.3	.0	16	66	14	4	0
MEAN	10.4	1.3	7.9	.9	.3	.0	13	76	9	3	0
S.D.	2.18	.28	2.04	.23	.12	.00	2.6	5.2	2.9	1.3	.0
N	10	10	10	10	10	10	10	10	10	10	10
Group: 9	Dose Level: 1		Dosage Unit: ppm								
C92261	9.3	1.7	6.5	.8	.2	.0	18	70	9	3	0
C92262	8.1	1.0	6.1	.9	.2	.0	12	75	10	2	0
C92263	11.3	1.1	9.2	.9	.2	.0	9	81	8	1	0
C92265	10.6	1.6	7.6	.9	.4	.0	16	72	9	3	0
C92266	9.0	.9	7.1	.9	.1	.0	10	78	10	1	0
C92267	11.4	.9	8.0	2.4	.1	.0	8	70	21	1	0
C92268	10.9	1.1	8.5	.9	.3	.1	10	78	9	2	0
C92269	6.6	1.1	4.5	.8	.1	.0	17	68	13	2	0
C92270	10.0	2.0	7.0	.8	.3	.0	19	69	8	3	0
C92271	14.4	1.6	10.7	1.4	.7	.0	11	74	10	5	0
MEAN	10.2	1.3	7.5	1.1	.3	.0	13	74	11	2	0
S.D.	2.12	.39	1.72	.50	.18	.03	4.1	4.4	3.9	1.3	.0
N	10	10	10	10	10	10	10	10	10	10	10

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Individual Clinical Hematology Data

Males Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	ANISO	POLY	POIK	HYPO	TOXNEUT
Group: 8	Dose Level: 0		Dosage Unit: ppm		
C92191	-	-	-	-	-
C92193	-	-	-	-	-
C92194	-	-	-	-	-
C92195	-	-	-	-	-
C92197	-	-	-	-	-
C92199	-	-	-	-	-
C92200	-	-	-	-	-
C92201	-	-	-	-	-
C92202	-	-	-	-	-
C92203	-	-	-	-	-
Group: 9	Dose Level: 1		Dosage Unit: ppm		
C92261	-	-	-	-	-
C92262	-	-	-	-	-
C92263	-	-	-	-	-
C92265	-	-	-	-	-
C92266	-	-	-	-	-
C92267	-	-	-	-	-
C92268	-	-	-	-	-
C92269	-	-	-	-	-
C92270	-	-	-	-	-
C92271	-	-	-	-	-

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Individual Clinical Hematology Data

Females Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
Group: 8	Dose Level: 0		Dosage Unit: ppm				
C92331	7.70	14.5	42.4	55.1	18.9	34.3	946
C92333	7.89	15.0	43.8	55.5	19.1	34.3	1100
C92334	8.25	15.8	46.0	55.8	19.1	34.3	1022
C92336	7.93	15.3	44.4	56.0	19.3	34.5	1017
C92337	8.19	15.5	45.5	55.6	19.0	34.1	1007
C92338	8.17	14.7	43.3	53.0	17.9	33.9	1056
C92339	7.84	14.5	42.7	54.4	18.4	33.9	1123
C92340	7.63	14.6	43.2	56.6	19.2	33.9	990
C92341	7.09	13.7	39.1	55.2	19.3	35.0	1249
C92342	7.49	13.5	40.5	54.1	18.0	33.3	1130
MEAN	7.82	14.7	43.1	55.1	18.8	34.2	1064
S.D.	.358	.73	2.10	1.05	.53	.45	88.2
N	10	10	10	10	10	10	10
Group: 9	Dose Level: 1		Dosage Unit: ppm				
C92401	7.61	15.2	44.3	58.2	20.0	34.3	1022
C92403	8.12	15.2	44.8	55.1	18.7	33.9	1096
C92404	7.61	15.0	42.7	56.1	19.7	35.1	1176
C92405	8.64	16.1	47.4	54.8	18.6	33.9	1136
C92406	8.56	15.6	45.6	53.3	18.2	34.1	1122
C92407	7.79	14.7	43.0	55.2	18.9	34.3	1114
C92408	7.99	15.2	44.1	55.2	19.0	34.4	1267
C92409	7.93	15.2	42.7	53.9	19.1	35.5	958
C92410	7.89	15.1	44.1	55.9	19.1	34.3	1080
C92411	7.95	14.9	43.8	55.1	18.7	34.0	1144
MEAN	8.01	15.2	44.2	55.3	19.0	34.4	1112
S.D.	.350	.39	1.44	1.32	.53	.52	83.6
N	10	10	10	10	10	10	10

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Individual Clinical Hematology Data

Females Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
Group: 8	Dose Level: 0		Dosage Unit: ppm								
C92331	7.1	.6	5.7	.5	.3	.0	9	80	7	4	0
C92333	6.4	.7	4.9	.7	.2	.0	10	75	10	3	0
C92334	9.7	1.8	7.1	.6	.2	.0	18	73	6	2	0
C92336	4.8	.5	3.8	.4	.1	.0	10	78	8	3	0
C92337	8.0	.7	6.5	.6	.2	.0	8	82	7	2	0
C92338	5.1	.5	4.2	.3	.1	.0	10	82	6	3	0
C92339	12.0	1.0	10.0	.6	.4	.0	9	83	5	3	0
C92340	4.8	.9	3.5	.2	.1	.0	20	73	5	3	0
C92341	10.4	1.0	8.5	.6	.2	.0	10	82	6	2	0
C92342	5.0	.8	3.5	.5	.2	.0	16	70	9	5	0
MEAN	7.3	.8	5.8	.5	.2	.0	12	78	7	3	0
S.D.	2.61	.38	2.24	.16	.09	.00	4.3	4.7	1.7	.9	.0
N	10	10	10	10	10	10	10	10	10	10	10
Group: 9	Dose Level: 1		Dosage Unit: ppm								
C92401	5.1	.9	3.7	.4	.2	.0	17	72	8	3	0
C92403	7.3	1.0	5.8	.4	.2	.0	13	79	5	3	0
C92404	6.0	1.1	4.2	.5	.2	.0	18	71	8	3	0
C92405	8.9	.8	7.5	.4	.1	.0	9	84	5	1	0
C92406	7.4	.8	5.8	.6	.2	.0	11	77	8	3	0
C92407	6.5	1.1	5.0	.2	.1	.0	17	77	3	2	0
C92408	5.1	1.3	2.7	.8	.3	.0	25	53	16	5	0
C92409	6.7	.6	5.5	.4	.2	.0	8	83	6	3	0
C92410	7.0	1.0	5.5	.3	.2	.0	14	78	4	3	0
C92411	5.1	.8	3.9	.3	.1	.0	16	76	5	3	0
MEAN	6.5	.9	5.0	.4	.2	.0	15	75	7	3	0
S.D.	1.23	.20	1.37	.17	.06	.00	5.0	8.7	3.7	1.0	.0
N	10	10	10	10	10	10	10	10	10	10	10

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Individual Clinical Hematology Data

Females Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	ANISO	POLY	POIK	HYPO	TOXNEUT
Group: 8	Dose Level: 0		Dosage Unit: ppm		
C92331	-	-	-	-	-
C92333	-	-	-	-	-
C92334	-	-	-	-	-
C92336	-	-	-	-	-
C92337	-	-	-	-	-
C92338	-	-	-	-	-
C92339	-	-	-	-	-
C92340	-	-	-	-	-
C92341	-	-	-	-	-
C92342	-	-	-	-	-
Group: 9	Dose Level: 1		Dosage Unit: ppm		
C92401	-	-	-	-	-
C92403	-	-	-	-	-
C92404	-	-	-	-	-
C92405	-	-	-	-	-
C92406	-	-	-	-	-
C92407	-	-	-	-	-
C92408	-	-	-	-	-
C92409	-	-	-	-	-
C92410	-	-	-	-	-
C92411	-	-	-	-	-

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Individual Clinical Hematology Data

Males Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
Group: 8	Dose Level: 0		Dosage Unit: ppm				
C92191	8.28	14.9	44.2	53.4	17.9	33.6	1298
C92193	8.69	15.4	45.4	52.3	17.7	33.9	918
C92194	8.58	15.2	44.1	51.4	17.7	34.4	1131
C92195	8.44	15.6	45.5	53.9	18.5	34.3	948
C92197	8.25	15.5	45.1	54.7	18.8	34.4	1147
C92199	7.44	14.3	41.5	55.8	19.2	34.3	1070
C92200	7.85	14.6	43.4	55.2	18.6	33.7	1002
C92201	7.70	14.8	43.2	56.1	19.2	34.1	1129
C92202	8.71	16.7	49.1	56.3	19.2	34.1	1103
C92203	8.30	14.9	44.8	54.0	18.0	33.4	1081
MEAN	8.22	15.2	44.6	54.3	18.5	34.0	1083
S.D.	.430	.67	1.98	1.63	.62	.36	109.2
N	10	10	10	10	10	10	10
Group: 9	Dose Level: 1		Dosage Unit: ppm				
C92261	9.00	16.0	46.8	52.0	17.8	34.3	1027
C92262	7.70	14.0	41.0	53.2	18.2	34.2	1179
C92263	8.01	14.9	43.9	54.8	18.6	33.9	1137
C92265	8.61	14.5	43.6	50.6	16.8	33.3	1191
C92266	8.51	15.1	45.4	53.4	17.7	33.2	1091
C92267	8.03	14.3	42.6	53.1	17.8	33.6	1092
C92268	7.54	13.5	40.2	53.4	17.8	33.4	1004
C92269	8.21	15.3	45.1	54.9	18.7	34.0	992
C92270	8.93	15.8	46.6	52.2	17.7	34.0	1187
C92271	8.21	14.9	43.9	53.5	18.2	34.0	1218
MEAN	8.28	14.8	43.9	53.1	17.9	33.8	1112
S.D.	.487	.78	2.19	1.28	.54	.39	83.2
N	10	10	10	10	10	10	10

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Individual Clinical Hematology Data

Males Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
Group: 8	Dose Level: 0		Dosage Unit: ppm								
C92191	11.3	2.0	7.6	1.2	.3	.0	18	68	11	3	0
C92193	6.5	1.1	5.2	.1	.1	.0	18	80	1	1	0
C92194	9.8	1.7	6.7	1.0	.4	.0	18	68	10	4	0
C92195	8.1	1.1	6.0	.8	.1	.0	14	74	10	2	1
C92197	7.4	1.4	4.9	.9	.2	.0	18	67	12	2	0
C92199	7.2	1.0	5.0	1.0	.1	.0	14	70	14	1	1
C92200	9.5	1.8	6.0	1.3	.4	.1	18	64	14	4	1
C92201	8.6	1.6	5.6	1.0	.3	.0	19	65	12	4	0
C92202	11.5	3.8	6.2	1.3	.2	.0	33	54	11	2	0
C92203	6.4	1.5	3.5	1.0	.4	.1	23	54	16	6	1
MEAN	8.6	1.7	5.7	1.0	.2	.0	19	66	11	3	0
S.D.	1.85	.81	1.12	.34	.13	.04	5.4	8.0	4.0	1.6	.5
N	10	10	10	10	10	10	10	10	10	10	10
Group: 9	Dose Level: 1		Dosage Unit: ppm								
C92261	6.9	1.5	4.2	.9	.2	.0	22	61	14	3	0
C92262	8.2	1.6	5.2	1.2	.2	.0	19	64	15	2	0
C92263	8.4	1.1	6.2	.9	.1	.1	13	74	10	2	1
C92265	9.5	1.8	6.2	1.2	.3	.1	18	65	13	4	1
C92266	9.1	1.2	6.9	.9	.1	.0	13	76	10	1	0
C92267	10.6	1.4	5.6	3.1	.1	.4	13	53	30	1	3
C92268	8.7	1.2	6.3	.9	.2	.1	14	73	10	2	1
C92269	6.8	1.6	3.9	1.2	.1	.0	23	58	17	1	1
C92270	10.2	2.0	7.0	.9	.3	.0	19	69	9	3	0
C92271	10.3	1.4	7.4	1.2	.2	.0	13	72	12	2	0
MEAN	8.9	1.5	5.9	1.2	.2	.1	17	66	14	2	1
S.D.	1.34	.28	1.17	.67	.08	.13	4.0	7.6	6.2	1.0	.9
N	10	10	10	10	10	10	10	10	10	10	10

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Individual Clinical Hematology Data

Males Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	ANISO	POLY	POIK	HYPO	TOXNEUT
Group: 8	Dose Level: 0		Dosage Unit: ppm		
C92191	-	-	-	-	-
C92193	-	-	-	-	-
C92194	-	-	-	-	-
C92195	-	-	-	-	-
C92197	-	-	-	-	-
C92199	-	-	-	-	-
C92200	-	-	-	-	-
C92201	-	-	-	-	-
C92202	-	-	-	-	-
C92203	-	-	-	-	-
Group: 9	Dose Level: 1		Dosage Unit: ppm		
C92261	-	-	-	-	-
C92262	-	-	-	-	-
C92263	-	-	-	-	-
C92265	-	-	-	-	-
C92266	-	-	-	-	-
C92267	-	-	-	-	-
C92268	-	-	-	-	-
C92269	-	-	-	-	-
C92270	-	-	-	-	-
C92271	-	-	-	-	-

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Individual Clinical Hematology Data

Females Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
Group: 8	Dose Level: 0		Dosage Unit: ppm				
C92331	7.54	14.5	41.5	55.1	19.2	34.9	993
C92333	7.46	14.9	42.5	57.0	19.9	35.0	1054
C92334	7.71	14.7	42.8	55.5	19.0	34.2	1018
C92336	7.31	14.2	42.0	57.4	19.5	33.9	941
C92337	7.36	14.1	41.1	55.9	19.1	34.2	931
C92338	7.50	13.8	40.6	54.2	18.4	34.0	993
C92339	7.23	13.0	38.7	53.6	18.0	33.7	1201
C92340	6.89	13.6	39.7	57.6	19.7	34.2	967
C92341	7.22	14.1	40.3	55.8	19.6	35.1	1223
C92342	6.89	12.5	37.0	53.7	18.2	33.9	1061
MEAN	7.31	13.9	40.6	55.6	19.1	34.3	1038
S.D.	.267	.75	1.79	1.46	.66	.50	101.1
N	10	10	10	10	10	10	10
Group: 9	Dose Level: 1		Dosage Unit: ppm				
C92401	7.15	14.5	41.7	58.3	20.2	34.6	927
C92403	7.41	14.3	41.1	55.4	19.4	34.9	1019
C92404	7.36	14.6	42.1	57.2	19.9	34.7	1032
C92405	8.00	15.2	44.0	55.0	19.0	34.5	1061
C92406	8.18	15.2	44.9	54.9	18.6	33.9	1125
C92407	7.29	14.1	40.8	55.9	19.3	34.5	982
C92408	8.41	15.4	44.7	53.1	18.3	34.4	1472
C92409	7.91	15.3	45.0	56.9	19.3	34.0	963
C92410	7.28	14.4	40.8	56.0	19.8	35.3	1184
C92411	7.29	13.9	40.1	55.1	19.1	34.7	1210
MEAN	7.63	14.7	42.5	55.8	19.3	34.6	1098
S.D.	.451	.54	1.93	1.45	.58	.41	161.0
N	10	10	10	10	10	10	10

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Individual Clinical Hematology Data

Females Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
Group: 8	Dose Level: 0		Dosage Unit: ppm								
C92331	6.6	.7	4.9	.7	.2	.0	11	75	11	2	1
C92333	4.6	.7	3.1	.5	.2	.0	16	68	12	4	1
C92334	7.3	.8	5.9	.5	.1	.0	10	81	7	2	0
C92336	5.1	.5	3.9	.6	.1	.0	11	76	11	2	0
C92337	7.4	.8	6.0	.4	.1	.0	11	80	6	2	0
C92338	4.8	.6	3.7	.4	.1	.0	13	76	9	1	1
C92339	12.1	2.9	7.3	1.3	.6	.0	24	60	11	5	0
C92340	3.9	.7	2.8	.3	.1	.0	18	72	7	2	0
C92341	6.4	.8	5.0	.4	.1	.0	13	79	6	2	0
C92342	5.8	1.5	3.5	.6	.2	.0	26	60	10	3	1
MEAN	6.4	1.0	4.6	.6	.2	.0	15	73	9	2	0
S.D.	2.32	.72	1.46	.28	.15	.00	5.7	7.7	2.3	1.2	.5
N	10	10	10	10	10	10	10	10	10	10	10
Group: 9	Dose Level: 1		Dosage Unit: ppm								
C92401	4.4	.7	3.3	.2	.1	.0	16	75	6	3	0
C92403	6.3	.9	4.7	.5	.1	.0	14	75	8	2	1
C92404	5.4	.8	4.0	.4	.1	.0	15	75	8	2	0
C92405	6.8	.8	5.4	.5	.1	.0	12	80	7	1	0
C92406	10.4	1.5	7.8	.9	.2	.0	15	75	8	2	0
C92407	4.0	.6	3.1	.3	.1	.0	14	78	6	2	0
C92408	4.4	1.4	2.0	.8	.2	.0	32	46	18	4	0
C92409	6.6	.8	5.2	.5	.1	.0	12	78	7	2	0
C92410	4.6	.7	3.4	.4	.1	.0	16	73	8	3	0
C92411	5.0	.9	3.4	.6	.1	.0	18	67	12	2	0
MEAN	5.8	.9	4.2	.5	.1	.0	16	72	9	2	0
S.D.	1.90	.30	1.63	.21	.04	.00	5.8	9.9	3.6	.8	.3
N	10	10	10	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Hematology Data

Females Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	ANISO	POLY	POIK	HYPO	TOXNEUT
Group: 8	Dose Level: 0		Dosage Unit: ppm		
C92331	-	-	-	-	-
C92333	-	-	-	-	-
C92334	-	-	-	-	-
C92336	-	-	-	-	-
C92337	-	-	-	-	-
C92338	-	-	-	-	-
C92339	-	-	-	-	-
C92340	-	-	-	-	-
C92341	-	-	-	-	-
C92342	-	-	-	-	-
Group: 9	Dose Level: 1		Dosage Unit: ppm		
C92401	-	-	-	-	-
C92403	-	-	-	-	-
C92404	-	-	-	-	-
C92405	-	-	-	-	-
C92406	-	-	-	-	-
C92407	-	-	-	-	-
C92408	-	-	-	-	-
C92409	-	-	-	-	-
C92410	-	-	-	-	-
C92411	-	-	-	-	-

Appendix 5

Individual Clinical Hematology Data

Males Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
Group: 8	Dose Level: 0		Dosage Unit: ppm				
C92195	8.74	16.2	45.4	51.9	18.5	35.6	928
C92199	7.46	14.3	40.2	53.9	19.1	35.5	1127
C92205	8.55	15.7	44.8	52.4	18.4	35.2	1110
C92211	7.98	13.9	39.2	49.2	17.5	35.5	1152
C92223	7.57	14.4	40.1	53.0	19.1	36.0	1459
C92230	9.11	15.7	44.0	48.3	17.2	35.6	1125
C92238	7.88	15.2	42.2	53.5	19.2	35.9	1292
C92246	8.43	15.4	43.3	51.3	18.3	35.6	1214
C92247	7.89	14.8	41.9	53.1	18.7	35.3	1324
C92253	8.40	16.0	44.8	53.4	19.0	35.6	978
MEAN	8.20	15.2	42.6	52.0	18.5	35.6	1171
S.D.	.530	.78	2.22	1.89	.69	.24	158.9
N	10	10	10	10	10	10	10
Group: 9	Dose Level: 1		Dosage Unit: ppm				
C92267	8.08	14.9	42.5	52.6	18.5	35.1	1060
C92274	9.19	15.5	45.0	48.9	16.9	34.6	1310
C92286	8.29	15.1	42.2	51.0	18.2	35.7	1176
C92287	8.72	15.3	43.4	49.7	17.5	35.3	1207
C92288	8.34	15.9	44.8	53.7	19.0	35.4	1075
C92303	8.98	14.9	42.9	47.7	16.5	34.6	1278
C92315	8.07	14.8	42.1	52.2	18.4	35.2	899
C92317	7.95	13.9	39.7	49.9	17.5	35.1	1450
C92320	8.61	16.5	46.9	54.5	19.1	35.2	941
C92324	7.95	15.7	44.0	55.4	19.8	35.7	911
MEAN	8.42	15.2	43.4	51.6	18.1	35.2	1131
S.D.	.439	.71	1.97	2.54	1.04	.38	185.5
N	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Hematology Data

Males Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
Group: 8	Dose Level: 0		Dosage Unit: ppm								
C92195	5.2	2.1	2.6	.4	.1	.0	40	50	7	2	0
C92199	8.7	3.7	3.6	1.2	.1	.0	42	42	14	1	0
C92205	4.8	1.0	3.4	.3	.1	.0	22	71	6	1	0
C92211	6.4	2.1	2.8	1.3	.1	.0	34	44	21	2	1
C92223	8.9	2.0	5.8	.8	.2	.0	23	66	9	3	0
C92230	6.5	1.5	4.0	.9	.1	.1	24	60	14	1	1
C92238	6.9	1.5	4.1	1.1	.1	.0	22	59	16	2	0
C92246	5.7	2.3	2.8	.5	.2	.0	40	48	9	3	0
C92247	9.5	2.0	6.5	.7	.1	.0	21	69	8	1	0
C92253	5.8	1.5	3.6	.6	.2	.0	26	61	10	3	0
MEAN	6.8	2.0	3.9	.8	.1	.0	29	57	11	2	0
S.D.	1.64	.73	1.29	.34	.05	.03	8.6	10.4	4.7	.9	.4
N	10	10	10	10	10	10	10	10	10	10	10
Group: 9	Dose Level: 1		Dosage Unit: ppm								
C92267	5.5	1.2	3.4	.8	.1	.0	22	61	15	1	0
C92274	5.5	1.8	3.0	.6	.1	.0	32	55	11	2	0
C92286	7.1	2.1	3.8	1.1	.1	.0	29	54	15	2	0
C92287	5.2	1.7	3.0	.4	.1	.0	34	57	7	2	0
C92288	6.4	1.8	3.8	.7	.2	.0	27	59	11	2	0
C92303	11.4	5.1	4.8	1.4	.1	.0	45	42	12	1	0
C92315	5.1	1.1	3.3	.6	.1	.0	21	65	11	2	0
C92317	9.5	2.4	5.9	1.0	.2	.0	25	63	10	2	0
C92320	5.7	1.6	3.0	.9	.2	.0	28	53	15	3	0
C92324	5.5	1.1	3.5	.8	.1	.0	21	63	15	2	0
MEAN	6.7	2.0	3.8	.8	.1	.0	28	57	12	2	0
S.D.	2.12	1.17	.93	.29	.05	.00	7.3	6.7	2.7	.6	.0
N	10	10	10	10	10	10	10	10	10	10	10

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Individual Clinical Hematology Data

Males Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	ANISO	POLY	POIK	HYPO	TOXNEUT
Group: 8	Dose Level: 0		Dosage Unit: ppm		
C92195	-	-	-	-	-
C92199	-	-	-	-	-
C92205	-	-	-	-	-
C92211	-	-	-	-	-
C92223	-	-	-	-	-
C92230	-	-	-	-	-
C92238	-	-	-	-	-
C92246	-	-	-	-	-
C92247	-	-	-	-	-
C92253	-	-	-	-	-
Group: 9	Dose Level: 1		Dosage Unit: ppm		
C92267	-	-	-	-	-
C92274	-	-	-	-	-
C92286	-	-	-	-	-
C92287	-	-	-	-	-
C92288	-	-	-	-	-
C92303	-	-	-	-	-
C92315	-	-	-	-	-
C92317	-	-	-	-	-
C92320	-	-	-	-	-
C92324	-	-	-	-	-

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Individual Clinical Hematology Data

Females Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
Group: 8	Dose Level: 0		Dosage Unit: ppm				
C92341	8.10	15.7	43.3	53.5	19.4	36.3	709
C92356	7.25	14.1	38.6	53.2	19.4	36.5	1047
C92357	8.08	15.8	43.4	53.7	19.6	36.5	1097
C92365	7.20	15.1	41.9	58.2	21.0	36.1	915
C92372	7.48	14.6	40.0	53.5	19.6	36.6	929
C92376	7.57	14.2	39.4	52.1	18.8	36.0	855
C92388	8.20	15.3	43.6	53.2	18.6	35.1	870
C92389	7.69	14.9	41.4	53.8	19.3	35.9	1069
C92390	8.00	15.1	42.3	52.9	18.9	35.8	920
C92395	7.57	14.5	40.5	53.5	19.1	35.7	1003
MEAN	7.71	14.9	41.4	53.8	19.4	36.0	941
S.D.	.362	.58	1.77	1.63	.67	.46	117.1
N	10	10	10	10	10	10	10
Group: 9	Dose Level: 1		Dosage Unit: ppm				
C92406	8.50	15.5	43.0	50.6	18.2	36.0	1065
C92407	7.55	14.7	41.1	54.4	19.5	35.8	1022
C92411	7.97	15.0	41.4	52.0	18.8	36.1	1276
C92418	7.58	14.7	40.7	53.6	19.4	36.2	1057
C92422	8.45	15.5	43.7	51.7	18.3	35.4	1104
C92424	7.23	14.3	40.0	55.2	19.7	35.7	1022
C92433	7.95	15.5	42.8	53.9	19.5	36.1	939
C92438	7.63	14.4	41.1	53.8	18.8	34.9	918
C92441	7.29	14.6	41.3	56.6	20.1	35.4	999
C92449	7.66	14.7	41.0	53.5	19.2	35.8	1130
MEAN	7.78	14.9	41.6	53.5	19.2	35.7	1053
S.D.	.435	.46	1.16	1.75	.61	.41	102.5
N	10	10	10	10	10	10	10

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Individual Clinical Hematology Data

Females Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
Group: 8	Dose Level: 0		Dosage Unit: ppm								
C92341	6.6	1.6	4.4	.5	.1	.0	25	66	7	1	0
C92356	7.2	2.3	4.1	.7	.1	.0	32	57	10	1	0
C92357	5.9	1.9	3.1	.8	.1	.0	32	52	13	2	0
C92365	4.4	1.1	2.7	.5	.1	.0	25	62	11	2	0
C92372	6.1	1.5	3.8	.7	.2	.0	24	62	12	3	0
C92376	3.3	1.0	1.8	.4	.1	.0	29	56	12	3	0
C92388	3.2	.6	2.1	.4	.1	.0	20	65	14	2	0
C92389	3.6	1.2	1.9	.5	.1	.0	32	53	13	2	0
C92390	7.6	1.6	5.2	.6	.1	.0	21	69	8	1	0
C92395	4.5	1.4	2.5	.5	.1	.0	31	56	10	3	0
MEAN	5.2	1.4	3.2	.6	.1	.0	27	60	11	2	0
S.D.	1.64	.48	1.16	.13	.03	.00	4.7	5.8	2.3	.8	.0
N	10	10	10	10	10	10	10	10	10	10	10
Group: 9	Dose Level: 1		Dosage Unit: ppm								
C92406	6.4	2.6	2.9	.7	.1	.0	41	45	12	2	0
C92407	3.5	1.1	2.1	.2	.1	.0	32	61	5	2	0
C92411	5.6	1.3	3.3	.8	.1	.0	23	59	15	2	0
C92418	2.5	.6	1.2	.5	.1	.0	26	49	22	2	1
C92422	2.9	.6	1.8	.4	.1	.0	21	62	13	4	0
C92424	3.7	1.0	2.3	.3	.1	.0	27	62	9	2	0
C92433	5.2	.8	3.8	.4	.1	.0	16	73	9	2	0
C92438	9.3	1.1	7.1	1.0	.2	.1	12	76	10	2	1
C92441	7.7	2.6	4.2	.6	.2	.0	34	55	8	3	0
C92449	4.4	1.0	2.8	.6	.1	.0	23	63	12	2	0
MEAN	5.1	1.3	3.2	.6	.1	.0	26	60	12	2	0
S.D.	2.18	.73	1.66	.24	.04	.03	8.6	9.5	4.6	.7	.4
N	10	10	10	10	10	10	10	10	10	10	10

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Individual Clinical Hematology Data

Females Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	ANISO	POLY	POIK	HYPO	TOXNEUT
Group: 8	Dose Level: 0		Dosage Unit: ppm		
C92341	-	-	-	-	-
C92356	-	-	-	-	-
C92357	-	-	-	-	-
C92365	-	-	-	-	-
C92372	-	-	-	-	-
C92376	-	-	-	-	-
C92388	-	-	-	-	-
C92389	-	-	-	-	-
C92390	-	-	-	-	-
C92395	-	-	-	-	-
Group: 9	Dose Level: 1		Dosage Unit: ppm		
C92406	-	-	-	-	-
C92407	-	-	-	-	-
C92411	-	-	-	-	-
C92418	-	-	-	-	-
C92422	-	-	-	-	-
C92424	-	-	-	-	-
C92433	-	-	-	-	-
C92438	-	-	-	-	-
C92441	-	-	-	-	-
C92449	-	-	-	-	-

Appendix 5

Individual Clinical Chemistry Data

Males Week 4

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	PCOAO IU/G
Group: 8 Dose Level: 0 Dosage Unit: ppm	
C92192	11
C92196	8
C92207	8
C92216	4
C92259	6
MEAN	7
S.D.	2.6
N	5
Group: 9 Dose Level: 1 Dosage Unit: ppm	
C92264	6
C92280	2
C92284	4
C92300	10
C92329	11
MEAN	7
S.D.	3.8
N	5

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Individual Clinical Chemistry Data

Females Week 4

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	PCOAO IU/G
Group: 8 Dose Level: 0 Dosage Unit: ppm	
C92332	2
C92352	1
C92355	4
C92366	3
C92373	3
MEAN	3
S.D.	1.1
N	5
Group: 9 Dose Level: 1 Dosage Unit: ppm	
C92402	5
C92435	0
C92463	5
C92467	6
C92470	4
MEAN	4
S.D.	2.3
N	5

Appendix 5

Individual Clinical Chemistry Data

Males Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
Group: 8	Dose Level: 0		Dosage Unit: ppm					
C92191	107	13	.7	7.3	4.9	2.4	.1	48
C92193	108	11	.8	7.4	5.2	2.2	.0	52
C92194	126	14	.7	6.6	4.6	2.0	.0	57
C92195	108	11	.6	6.2	4.7	1.5	.0	59
C92197	109	14	.6	6.8	4.6	2.2	.0	66
C92199	111	16	.5	6.4	4.5	1.9	.1	56
C92200	130	18	.7	7.3	5.0	2.3	.1	64
C92201	124	14	.6	7.0	4.6	2.4	.0	64
C92202	102	13	.8	7.1	4.8	2.3	.0	69
C92203	108	13	.6	6.8	4.7	2.1	.0	51
MEAN	113	14	.7	6.9	4.8	2.1	.0	59
S.D.	9.6	2.1	.10	.40	.22	.28	.05	7.0
N	10	10	10	10	10	10	10	10
Group: 9	Dose Level: 1		Dosage Unit: ppm					
C92261	109	12	.6	7.0	4.7	2.3	.0	48
C92262	118	14	.6	7.1	4.7	2.4	.1	56
C92263	109	18	.5	6.8	4.7	2.1	.1	48
C92265	110	14	.7	7.4	4.6	2.8	.0	77
C92266	113	12	.7	6.9	4.8	2.1	.1	56
C92267	100	15	.7	6.7	4.3	2.4	.0	50
C92268	121	11	.7	7.1	4.9	2.2	.0	78
C92269	126	12	.4	7.4	4.9	2.5	.1	70
C92270	115	13	.5	6.4	4.5	1.9	.0	75
C92271	119	11	.6	7.3	4.8	2.5	.1	75
MEAN	114	13	.6	7.0	4.7	2.3	.0	63
S.D.	7.4	2.1	.11	.32	.19	.26	.05	12.8
N	10	10	10	10	10	10	10	10

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Individual Clinical Chemistry Data

Males Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
Group: 8	Dose Level: 0		Dosage Unit: ppm					
C92191	101	34	2	10.6	7.1	147	6.0	106
C92193	162	38	7	10.4	7.2	148	5.5	108
C92194	99	32	2	10.4	7.6	147	6.4	107
C92195	103	38	1	10.5	6.3	146	5.5	107
C92197	126	36	4	10.5	7.2	147	5.9	107
C92199	85	40	3	10.8	8.3	145	5.5	104
C92200	105	58	0	10.8	8.2	146	6.6	102
C92201	115	32	1	10.2	6.6	147	5.8	108
C92202	95	32	1	10.7	6.9	147	6.2	106
C92203	105	46	0	10.6	7.2	146	5.8	107
MEAN	110	39	2	10.6	7.3	147	5.9	106
S.D.	21.4	8.1	2.1	.19	.63	.8	.39	1.9
N	10	10	10	10	10	10	10	10
Group: 9	Dose Level: 1		Dosage Unit: ppm					
C92261	136	57	5	10.4	6.6	146	6.0	107
C92262	131	101	2	10.6	7.3	146	6.3	108
C92263	90	31	3	10.5	7.2	146	6.3	107
C92265	99	30	7	10.8	7.1	147	6.4	107
C92266	113	36	0	10.7	7.4	146	6.8	106
C92267	112	39	2	10.3	6.8	147	6.3	108
C92268	118	39	1	10.8	6.9	146	6.0	107
C92269	94	61	0	10.4	6.7	148	5.7	107
C92270	109	42	3	10.2	6.7	147	6.2	108
C92271	105	43	3	10.9	7.4	148	6.6	107
MEAN	111	48	3	10.6	7.0	147	6.3	107
S.D.	14.9	21.2	2.2	.24	.31	.8	.31	.6
N	10	10	10	10	10	10	10	10

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Individual Clinical Chemistry Data

Females Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
Group: 8	Dose Level: 0		Dosage Unit: ppm					
C92331	126	17	.8	7.5	5.7	1.8	.1	64
C92333	105	14	.9	7.8	5.8	2.0	.0	80
C92334	118	16	.9	8.5	6.1	2.4	.2	96
C92336	120	14	1.0	8.6	6.1	2.5	.3	109
C92337	113	14	.8	7.3	5.3	2.0	.0	79
C92338	123	18	.7	8.1	6.0	2.1	.1	93
C92339	105	11	.7	8.0	6.0	2.0	.0	78
C92340	118	12	.8	8.8	6.6	2.2	.3	88
C92341	117	14	.7	8.5	6.6	1.9	.5	115
C92342	99	12	.5	9.2	7.1	2.1	.1	140
MEAN	114	14	.8	8.2	6.1	2.1	.2	94
S.D.	8.7	2.3	.14	.60	.52	.22	.16	22.1
N	10	10	10	10	10	10	10	10
Group: 9	Dose Level: 1		Dosage Unit: ppm					
C92401	114	11	.8	7.4	5.6	1.8	.3	68
C92403	114	13	.8	8.1	6.5	1.6	.2	90
C92404	110	18	.6	9.4	7.1	2.3	.3	138
C92405	104	17	.7	8.1	5.6	2.5	.1	87
C92406	111	18	.7	8.1	5.8	2.3	.0	97
C92407	104	14	.8	8.6	6.3	2.3	.0	84
C92408	107	16	.8	7.4	5.3	2.1	.0	94
C92409	112	13	.9	7.2	5.0	2.2	.1	76
C92410	110	17	.5	7.8	5.9	1.9	.3	65
C92411	113	14	.8	7.3	5.1	2.2	.0	86
MEAN	110	15	.7	7.9	5.8	2.1	.1	88
S.D.	3.8	2.4	.12	.68	.66	.27	.13	20.3
N	10	10	10	10	10	10	10	10

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Females Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
Group: 8	Dose Level: 0		Dosage Unit: ppm					
C92331	83	42	2	10.9	6.1	146	5.3	108
C92333	88	35	2	11.3	6.4	145	6.0	106
C92334	91	34	2	11.9	6.5	149	6.6	106
C92336	98	30	1	11.6	5.8	147	6.1	108
C92337	94	37	4	10.6	5.5	144	6.0	106
C92338	85	27	3	11.1	5.4	144	5.6	107
C92339	108	37	4	11.3	6.7	144	5.8	104
C92340	80	35	3	11.4	5.6	145	5.5	106
C92341	275	112	0	11.7	6.2	145	5.5	103
C92342	98	55	1	12.5	5.9	144	5.8	103
MEAN	110	44	2	11.4	6.0	145	5.8	106
S.D.	58.6	24.9	1.3	.54	.44	1.6	.38	1.8
N	10	10	10	10	10	10	10	10
Group: 9	Dose Level: 1		Dosage Unit: ppm					
C92401	104	34	2	11.0	6.3	147	5.2	106
C92403	103	36	4	11.3	5.9	146	5.6	105
C92404	99	43	0	11.4	6.6	146	5.7	103
C92405	113	48	1	11.3	7.2	148	6.3	107
C92406	157	83	0	10.9	6.2	146	5.8	107
C92407	82	29	1	11.2	5.9	146	6.1	106
C92408	140	74	6	11.7	6.8	148	6.2	109
C92409	83	27	1	10.7	6.1	146	6.3	111
C92410	104	36	0	11.3	6.6	147	6.2	107
C92411	90	34	0	10.9	6.8	147	6.1	108
MEAN	108	44	2	11.2	6.4	147	6.0	107
S.D.	24.1	19.1	2.0	.29	.43	.8	.36	2.2
N	10	10	10	10	10	10	10	10

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	PCOAO IU/G
Group: 8 Dose Level: 0 Dosage Unit: ppm	
C92255	7
C92256	5
C92257	4
C92258	5
C92260	7
MEAN	6
S.D.	1.3
N	5
Group: 9 Dose Level: 1 Dosage Unit: ppm	
C92325	5
C92326	4
C92327	5
C92328	7
C92330	6
MEAN	5
S.D.	1.1
N	5

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	PCOAO IU/G
Group: 8	Dose Level: 0 Dosage Unit: ppm
C92396	4
C92397	3
C92398	4
C92399	4
C92400	2
MEAN	3
S.D.	.9
N	5
Group: 9	Dose Level: 1 Dosage Unit: ppm
C92464	4
C92465	6
C92466	7
C92468	3
C92469	4
MEAN	5
S.D.	1.6
N	5

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
Group: 8	Dose Level: 0		Dosage Unit: ppm					
C92191	85	12	.7	7.1	4.7	2.4	.2	51
C92193	101	13	.6	7.1	5.0	2.1	.1	74
C92194	114	11	.6	6.6	4.5	2.1	.2	74
C92195	93	12	.6	6.3	4.7	1.6	.1	61
C92197	104	11	.6	7.0	4.6	2.4	.1	80
C92199	112	12	.5	6.6	4.5	2.1	.1	78
C92200	117	14	.7	7.0	4.6	2.4	.2	96
C92201	94	13	.6	7.2	4.6	2.6	.1	76
C92202	102	11	.7	7.2	4.8	2.4	.1	87
C92203	106	10	.6	6.6	4.4	2.2	.1	72
MEAN	103	12	.6	6.9	4.6	2.2	.1	75
S.D.	10.1	1.2	.06	.32	.17	.28	.05	12.5
N	10	10	10	10	10	10	10	10
Group: 9	Dose Level: 1		Dosage Unit: ppm					
C92261	112	13	.6	7.1	4.8	2.3	.2	62
C92262	107	13	.6	6.9	4.5	2.4	.2	78
C92263	102	13	.6	7.1	4.7	2.4	.2	73
C92265	103	14	.6	7.4	4.4	3.0	.1	114
C92266	107	12	.7	7.2	4.8	2.4	.2	74
C92267	105	14	.6	6.5	4.3	2.2	.1	65
C92268	121	11	.6	7.1	4.7	2.4	.1	104
C92269	120	13	.7	7.6	4.8	2.8	.2	90
C92270	119	13	.6	7.0	4.7	2.3	.1	98
C92271	116	12	.6	7.2	4.8	2.4	.2	82
MEAN	111	13	.6	7.1	4.6	2.5	.2	84
S.D.	7.3	.9	.04	.29	.18	.25	.05	17.1
N	10	10	10	10	10	10	10	10

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
Group: 8	Dose Level: 0		Dosage Unit: ppm					
C92191	127	40	2	10.5	6.9	148	5.5	103
C92193	120	33	0	10.5	7.1	147	5.9	108
C92194	156	40	2	10.3	7.3	145	5.9	106
C92195	103	36	2	10.6	6.3	145	5.3	104
C92197	124	33	3	10.8	7.2	147	6.4	106
C92199	84	30	2	10.7	7.8	146	5.7	105
C92200	138	109	3	10.6	6.6	145	6.2	102
C92201	139	37	2	10.5	6.8	147	5.9	102
C92202	95	36	2	10.8	7.1	148	6.3	104
C92203	116	39	2	10.4	7.0	147	6.0	106
MEAN	120	43	2	10.6	7.0	146	5.9	105
S.D.	21.8	23.3	.8	.16	.41	1.2	.34	2.0
N	10	10	10	10	10	10	10	10
Group: 9	Dose Level: 1		Dosage Unit: ppm					
C92261	113	53	1	10.7	7.4	148	6.5	105
C92262	127	80	1	10.8	7.5	148	6.2	106
C92263	90	24	2	10.9	6.8	148	6.2	106
C92265	109	30	1	10.7	6.7	147	6.5	103
C92266	119	39	1	10.4	6.3	145	6.1	101
C92267	83	30	2	10.6	6.5	146	6.3	109
C92268	113	38	0	10.8	6.7	146	5.9	104
C92269	91	68	1	10.8	7.4	148	5.8	103
C92270	153	50	3	11.1	7.6	147	6.5	109
C92271	105	34	2	11.0	7.3	148	6.7	104
MEAN	110	45	1	10.8	7.0	147	6.3	105
S.D.	20.4	18.1	.8	.20	.47	1.1	.29	2.6
N	10	10	10	10	10	10	10	10

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
Group: 8	Dose Level: 0		Dosage Unit: ppm					
C92331	110	16	.7	8.6	6.5	2.1	.2	112
C92333	110	14	.7	7.5	5.7	1.8	.2	81
C92334	106	16	.7	7.9	5.8	2.1	.2	76
C92336	108	13	.7	8.7	6.3	2.4	.2	144
C92337	111	12	.7	8.2	6.3	1.9	.2	110
C92338	107	16	.7	8.4	6.3	2.1	.2	117
C92339	107	12	.7	8.0	5.6	2.4	.2	117
C92340	113	12	.7	8.3	6.3	2.0	.2	103
C92341	101	13	.7	8.6	6.2	2.4	.2	142
C92342	85	13	.6	8.8	6.4	2.4	.2	164
MEAN	106	14	.7	8.3	6.1	2.2	.2	117
S.D.	8.0	1.7	.03	.41	.32	.23	.00	27.5
N	10	10	10	10	10	10	10	10
Group: 9	Dose Level: 1		Dosage Unit: ppm					
C92401	108	11	.7	7.4	5.8	1.6	.2	64
C92403	110	12	.7	8.4	6.7	1.7	.2	105
C92404	101	12	.7	8.7	6.7	2.0	.2	135
C92405	92	13	.8	8.5	6.1	2.4	.2	119
C92406	102	16	.8	8.5	5.8	2.7	.2	110
C92407	97	10	.7	8.5	6.1	2.4	.1	90
C92408	110	15	.8	8.1	5.0	3.1	.3	186
C92409	114	14	.7	7.5	5.3	2.2	.1	79
C92410	106	11	.7	8.6	6.7	1.9	.2	97
C92411	96	16	.7	8.1	5.2	2.9	.1	122
MEAN	104	13	.7	8.2	5.9	2.3	.2	111
S.D.	7.2	2.2	.05	.45	.64	.50	.06	33.8
N	10	10	10	10	10	10	10	10

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Individual Clinical Chemistry Data

Females Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
Group: 8	Dose Level: 0		Dosage Unit: ppm					
C92331	125	91	1	11.3	5.7	146	4.5	101
C92333	68	31	3	11.1	6.0	146	6.2	106
C92334	83	31	2	11.1	4.6	142	5.5	103
C92336	101	46	2	11.8	6.2	144	5.1	105
C92337	78	39	0	11.0	5.0	144	5.1	106
C92338	93	30	2	11.2	5.4	144	5.5	104
C92339	229	149	7	11.1	6.2	143	5.4	102
C92340	91	35	1	11.0	5.0	145	4.9	102
C92341	103	46	2	11.0	6.0	145	4.6	97
C92342	175	86	1	12.1	6.2	144	5.4	102
MEAN	115	58	2	11.3	5.6	144	5.2	103
S.D.	50.2	38.8	1.9	.38	.59	1.3	.50	2.7
N	10	10	10	10	10	10	10	10
Group: 9	Dose Level: 1		Dosage Unit: ppm					
C92401	97	47	2	11.0	6.2	146	5.4	106
C92403	109	46	1	11.1	5.2	145	5.3	102
C92404	101	36	2	11.4	5.4	147	5.6	104
C92405	283	155	3	11.1	5.6	145	4.7	104
C92406	244	164	3	10.9	6.8	144	4.9	100
C92407	74	27	2	11.1	5.7	144	5.6	102
C92408	612	384	22	12.1	6.8	148	6.7	108
C92409	103	30	2	10.6	6.1	147	5.8	105
C92410	71	32	2	11.7	6.0	145	5.3	103
C92411	89	34	2	11.4	6.8	145	5.5	103
MEAN	178	96	4	11.2	6.1	146	5.5	104
S.D.	168.9	113.8	6.3	.43	.59	1.3	.54	2.3
N	10	10	10	10	10	10	10	10

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Individual Clinical Chemistry Data

Males Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
Group: 8	Dose Level: 0		Dosage Unit: ppm					
C92195	94	10	.7	7.1	5.1	2.0	.1	93
C92199	105	9	.6	6.9	4.4	2.5	.1	96
C92205	105	12	.8	7.4	4.7	2.7	.2	134
C92211	106	11	.6	6.6	3.9	2.7	.1	78
C92223	148	12	.6	7.2	4.6	2.6	.2	139
C92230	140	13	.7	7.6	4.7	2.9	.2	80
C92238	129	11	.6	6.6	4.3	2.3	.1	90
C92246	106	16	.8	7.5	5.1	2.4	.2	80
C92247	145	14	.8	7.1	4.4	2.7	.2	179
C92253	116	13	.7	6.9	4.8	2.1	.2	85
MEAN	119	12	.7	7.1	4.6	2.5	.2	105
S.D.	19.5	2.0	.09	.35	.37	.29	.05	33.8
N	10	10	10	10	10	10	10	10
Group: 9	Dose Level: 1		Dosage Unit: ppm					
C92267	107	13	.7	6.9	4.7	2.2	.1	82
C92274	152	12	.7	7.6	4.9	2.7	.1	131
C92286	117	8	.6	6.8	4.5	2.3	.1	74
C92287	126	12	.7	7.6	4.9	2.7	.2	108
C92288	130	13	.7	7.3	4.8	2.5	.2	101
C92303	114	15	.7	6.8	3.9	2.9	.1	38
C92315	137	14	.7	6.8	4.7	2.1	.2	98
C92317	135	11	.7	7.1	4.7	2.4	.2	104
C92320	118	8	.7	7.2	4.6	2.6	.2	88
C92324	131	12	.7	7.3	4.3	3.0	.1	200
MEAN	127	12	.7	7.1	4.6	2.5	.2	102
S.D.	13.2	2.3	.03	.31	.31	.30	.05	42.1
N	10	10	10	10	10	10	10	10

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Males Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
Group: 8	Dose Level: 0		Dosage Unit: ppm					
C92195	118	33	0	10.7	5.8	147	5.2	105
C92199	66	28	2	9.3	5.5	147	5.6	104
C92205	151	65	1	10.6	8.1	147	6.2	103
C92211	98	29	2	10.1	5.6	148	6.5	107
C92223	83	41	1	10.4	5.4	145	5.6	104
C92230	247	414	3	11.1	6.4	150	6.5	108
C92238	61	38	1	9.9	6.6	149	5.9	106
C92246	86	43	3	9.7	7.1	158	7.2	113
C92247	77	36	2	10.8	6.2	149	6.1	104
C92253	93	44	0	10.3	5.3	149	6.5	108
MEAN	108	77	2	10.3	6.2	149	6.1	106
S.D.	55.4	118.8	1.1	.55	.89	3.5	.58	3.0
N	10	10	10	10	10	10	10	10
Group: 9	Dose Level: 1		Dosage Unit: ppm					
C92267	103	36	1	10.1	6.6	158	6.6	114
C92274	144	64	4	11.0	7.0	149	6.4	105
C92286	80	42	1	10.4	5.7	150	6.4	106
C92287	158	37	1	10.5	6.9	156	7.0	110
C92288	185	55	3	10.6	7.2	149	6.8	108
C92303	101	34	2	9.9	6.2	154	6.2	110
C92315	91	32	1	10.4	6.0	147	6.1	105
C92317	71	34	0	10.9	6.3	148	6.9	106
C92320	108	56	0	10.8	6.0	144	5.5	100
C92324	61	27	1	10.6	5.8	149	5.7	106
MEAN	110	42	1	10.5	6.4	150	6.4	107
S.D.	40.0	12.3	1.3	.34	.53	4.3	.50	3.8
N	10	10	10	10	10	10	10	10

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Individual Clinical Chemistry Data

Females Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
Group: 8	Dose Level: 0		Dosage Unit: ppm					
C92341	119	13	.8	8.2	6.1	2.1	.7	157
C92356	92	11	.8	9.4	6.4	3.0	.2	152
C92357	143	10	.7	8.0	5.9	2.1	.7	214
C92365	119	11	.8	8.1	5.9	2.2	.2	160
C92372	113	12	.8	8.7	6.0	2.7	.2	128
C92376	100	10	.6	8.5	5.9	2.6	.2	156
C92388	131	11	.8	8.4	6.4	2.0	.2	104
C92389	120	11	.8	8.0	5.6	2.4	.1	114
C92390	105	12	.7	8.0	5.2	2.8	.2	98
C92395	86	13	.8	8.2	5.8	2.4	.2	142
MEAN	113	11	.8	8.4	5.9	2.4	.3	142
S.D.	17.5	1.1	.07	.44	.36	.34	.22	34.0
N	10	10	10	10	10	10	10	10
Group: 9	Dose Level: 1		Dosage Unit: ppm					
C92406	117	17	.9	9.0	5.8	3.2	.2	128
C92407	95	14	.9	8.9	6.1	2.8	.2	112
C92411	98	13	.8	8.9	5.4	3.5	.2	128
C92418	111	10	.8	8.3	6.1	2.2	.2	105
C92422	115	13	.7	8.2	5.9	2.3	.2	129
C92424	122	15	.8	7.7	5.4	2.3	.1	105
C92433	108	15	.9	9.0	6.4	2.6	.2	146
C92438	103	13	.8	8.6	5.8	2.8	.3	133
C92441	110	10	.7	7.9	5.1	2.8	.2	171
C92449	99	17	.8	8.6	6.1	2.5	.1	108
MEAN	108	14	.8	8.5	5.8	2.7	.2	126
S.D.	8.9	2.5	.07	.47	.40	.41	.06	20.8
N	10	10	10	10	10	10	10	10

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Individual Clinical Chemistry Data

Females Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
Group: 8	Dose Level: 0		Dosage Unit: ppm					
C92341	119	83	1	10.4	5.8	157	5.1	104
C92356	95	50	3	11.6	5.6	143	5.2	100
C92357	77	36	1	11.2	5.9	150	5.5	97
C92365	80	53	2	10.9	4.4	146	5.4	104
C92372	85	36	2	11.7	6.0	144	5.4	102
C92376	86	30	2	11.5	5.9	143	5.3	101
C92388	70	46	1	10.9	5.2	148	5.8	105
C92389	119	77	1	10.6	4.0	148	5.9	106
C92390	168	101	3	11.4	7.2	148	6.0	102
C92395	97	29	0	10.9	3.8	147	4.8	103
MEAN	100	54	2	11.1	5.4	147	5.4	102
S.D.	29.1	24.7	1.0	.44	1.05	4.1	.37	2.6
N	10	10	10	10	10	10	10	10
Group: 9	Dose Level: 1		Dosage Unit: ppm					
C92406	213	130	2	11.2	6.2	145	4.7	100
C92407	100	47	0	10.3	4.6	143	4.2	97
C92411	88	39	1	11.0	6.7	150	6.3	105
C92418	76	32	0	11.2	6.3	148	5.4	105
C92422	102	40	2	11.6	5.6	147	6.3	105
C92424	77	30	0	10.3	5.1	146	5.5	103
C92433	160	120	2	11.3	4.5	149	5.4	104
C92438	593	213	9	11.7	8.0	149	5.5	104
C92441	67	25	2	10.5	4.4	146	4.6	104
C92449	84	43	2	10.9	5.3	150	5.5	108
MEAN	156	72	2	11.0	5.7	147	5.3	104
S.D.	160.1	62.1	2.6	.50	1.14	2.3	.68	3.0
N	10	10	10	10	10	10	10	10

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Individual Clinical Urinalysis Data

Males Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U VOL ML	SP GR	U PH
Group: 8	Dose Level: 0		Dosage Unit: ppm
C92191	10.3	1.021	7.0
C92193	31.0	1.006	7.5
C92194	5.6	1.038	6.5
C92195	8.3	1.027	7.0
C92197	32.9	1.007	7.0
C92199	42.4	1.004	7.5
C92200	48.5 a	1.003	7.0
C92201	13.7	1.020	7.0
C92202	24.0	1.008	7.0
C92203	10.6	1.020	7.5
MEAN	22.7	1.015	7.1
S.D.	15.31	.0116	.32
N	10	10	10
Group: 9	Dose Level: 1		Dosage Unit: ppm
C92261	16.2	1.015	7.0
C92262	47.8 a	1.005	7.0
C92263	23.0	1.014	7.0
C92265	12.4	1.019	7.5
C92266	20.3	1.014	7.5
C92267	5.5	1.036	7.0
C92268	17.4	1.019	7.0
C92269	27.1	1.012	7.0
C92270	9.5	1.023	7.5
C92271	39.4	1.010	7.0
MEAN	21.9	1.017	7.2
S.D.	13.22	.0085	.24
N	10	10	10

a Sample was overflowing at the time of collection.

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Males Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U PRO MG/DL	U GLU	U KET	U BILI	U BLOOD	UROBILI
Group: 8	Dose Level: 0		Dosage Unit: ppm			
C92191	30	-	-	-	-	-
C92193	10	-	-	-	+	-
C92194	30	-	-	-	+	-
C92195	30	-	-	-	-	-
C92197	10	-	-	-	-	-
C92199	0	-	-	-	-	-
C92200	30	-	-	-	+++	-
C92201	30	-	-	-	+++	-
C92202	10	-	-	-	-	-
C92203	30	-	+	-	-	-
Group: 9	Dose Level: 1		Dosage Unit: ppm			
C92261	10	-	-	-	-	-
C92262	10	-	-	-	-	-
C92263	10	-	-	-	-	-
C92265	30	-	-	-	+	-
C92266	10	-	-	-	-	-
C92267	30	-	+	-	-	-
C92268	30	-	-	-	-	-
C92269	10	-	-	-	-	-
C92270	30	-	-	-	-	-
C92271	10	-	-	-	-	-

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Individual Clinical Urinalysis Data

Males Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	RBC PER HPF	WBC PER HPF	EPITH PER HPF	BACT PER HPF	CASTS PER LPF	CRYSTALS PER LPF1	URINE APP1	COMMENTS
Group: 8 Dose Level: 0			Dosage Unit: ppm					
C92191	0	0	1	1	0	4D	BJ	PQ
C92193	0	0	1	2	0	0	AJ	Q
C92194	0	0	1	1	0	4D	BJ	PQ
C92195	0	0	0	2	0	4D	BJ	PQ
C92197	0	0	0	1	0	0	AJ	Q
C92199	0	1	1	2	0	0	AJ	P
C92200	0	0	1	1	0	0	AJ	Q
C92201	1	0	1	2	0	4D	BJ	PQ
C92202	1	1	1	1	0	0	AJ	Q
C92203	0	0	1	2	0	4D	BJ	PQ
Group: 9 Dose Level: 1			Dosage Unit: ppm					
C92261	0	0	1	2	0	4D	BJ	PQ
C92262	0	0	1	2	0	0	AJ	Q
C92263	0	0	0	2	0	0	BJ	Q
C92265	0	0	1	2	0	4D	BJ	PQ
C92266	0	0	1	2	0	4D	BJ	PQ
C92267	0	0	1	2	0	4D	BJ	PQ
C92268	0	0	1	2	0	4D	BJ	PQ
C92269	0	0	1	2	0	0	BJ	Q
C92270	0	0	0	2	0	4D	BK	Q
C92271	0	0	1	1	0	0	AJ	Q

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Females Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U VOL ML	SP GR	U PH
Group: 8	Dose Level: 0		Dosage Unit: ppm
C92331	9.0	1.013	7.0
C92333	50.5 a	1.001	6.5
C92334	4.2	1.024	6.5
C92336	5.1	1.020	7.0
C92337	10.3	1.016	6.5
C92338	5.0	1.024	6.5
C92339	16.2	1.015	7.0
C92340	11.9	1.011	7.0
C92341	5.3	1.028	6.5
C92342	7.3	1.014	7.0
MEAN	12.5	1.017	6.8
S.D.	13.88	.0078	.26
N	10	10	10
Group: 9	Dose Level: 1		Dosage Unit: ppm
C92401	22.3	1.007	7.0
C92403	40.8	1.001	6.5
C92404	4.6	1.026	6.5
C92405	49.8 a	1.002	7.0
C92406	5.6	1.006	7.0
C92407	2.0	1.034	6.5
C92408	17.8	1.009	7.0
C92409	18.5	1.010	6.5
C92410	50.7 a	1.002	6.5
C92411	7.5	1.020	6.5
MEAN	22.0	1.012	6.7
S.D.	18.74	.0112	.26
N	10	10	10

a Sample was overflowing at the time of collection.

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Females Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U PRO MG/DL	U GLU	U KET	U BILI	U BLOOD	UROBILI
Group: 8	Dose Level: 0		Dosage Unit: ppm			
C92331	10	-	-	-	-	-
C92333	0	-	-	-	-	-
C92334	10	-	-	-	-	-
C92336	10	-	-	-	-	-
C92337	10	-	-	-	-	-
C92338	10	-	-	-	-	-
C92339	0	-	-	-	-	-
C92340	0	-	-	-	-	-
C92341	100	-	-	-	-	-
C92342	30	-	-	-	+	-
Group: 9	Dose Level: 1		Dosage Unit: ppm			
C92401	0	-	-	-	-	-
C92403	0	-	-	-	-	-
C92404	30	-	-	-	+++	-
C92405	0	-	-	-	-	-
C92406	0	-	-	-	-	-
C92407	30	-	-	-	-	-
C92408	0	-	-	-	-	-
C92409	0	-	-	-	-	-
C92410	0	-	-	-	-	-
C92411	10	-	-	-	-	-

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	RBC PER HPF	WBC PER HPF	EPITH PER HPF	BACT PER HPF	CASTS PER LPF	CRYSTALS PER LPF1	URINE APP1	COMMENTS
Group: 8 Dose Level: 0			Dosage Unit: ppm					
C92331	0	0	0	2	0	4D	BJ	P
C92333	0	0	0	1	0	0	AJ	-
C92334	0	0	1	2	0	4D	BJ	P
C92336	0	0	1	3	0	3B4D	BJ	P
C92337	0	0	1	1	0	1D	BJ	P
C92338	0	0	1	2	0	4D	BJ	P
C92339	0	0	1	1	0	4D	BJ	-
C92340	0	0	1	1	0	4D	BJ	P
C92341	0	0	1	1	0	1D	BJ	P
C92342	0	0	0	2	0	4D	BJ	-
Group: 9 Dose Level: 1			Dosage Unit: ppm					
C92401	0	0	1	2	0	0	AJ	P
C92403	0	0	0	1	0	0	AJ	-
C92404	1	1	1	2	0	3D	BJ	P
C92405	0	0	0	1	0	0	AJ	-
C92406	0	0	1	1	0	0	AJ	-
C92407	0	0	1	2	0	4D	BJ	P
C92408	0	0	1	1	0	0	AJ	-
C92409	0	1	1	2	0	1B2D	BJ	P
C92410	0	0	0	1	0	0	AJ	-
C92411	0	0	1	2	0	0	BJ	PS

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Individual Clinical Urinalysis Data

Males Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U VOL ML	SP GR	U PH
Group: 8	Dose Level: 0		Dosage Unit: ppm
C92191	10.0	1.020	7.0
C92193	8.3	1.024	7.5
C92194	8.0	1.032	6.5
C92195	5.5	1.033	7.0
C92197	44.5	1.006	7.0
C92199	17.5	1.014	7.5
C92200	9.5	1.020	6.5
C92201	5.8	1.027	6.5
C92202	7.2	1.026	6.5
C92203	22.0	1.020	7.0
MEAN	13.8	1.022	6.9
S.D.	12.00	.0081	.39
N	10	10	10
Group: 9	Dose Level: 1		Dosage Unit: ppm
C92261	9.0	1.027	7.5
C92262	7.8	1.031	6.5
C92263	12.3	1.019	7.0
C92265	48.0 a	1.008	7.0
C92266	8.0	1.032	7.0
C92267	1.6	1.053	7.0
C92268	11.8	1.031	7.0
C92269	23.0	1.017	7.0
C92270	9.3	1.023	7.5
C92271	23.2	1.015	7.0
MEAN	15.4	1.026	7.0
S.D.	13.27	.0125	.28
N	10	10	10

a Sample was overflowing at the time of collection.

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Individual Clinical Urinalysis Data

Males Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U PRO MG/DL	U GLU	U KET	U BILI	U BLOOD	UROBILI
Group: 8	Dose Level: 0		Dosage Unit: ppm			
C92191	10	-	-	-	-	-
C92193	100	-	++	-	-	-
C92194	100	-	-	-	-	-
C92195	10	-	-	-	-	-
C92197	0	-	-	-	-	-
C92199	10	-	-	-	-	-
C92200	100	-	-	-	-	-
C92201	30	-	-	-	-	-
C92202	100	-	-	-	+	-
C92203	100	-	+	-	-	-
Group: 9	Dose Level: 1		Dosage Unit: ppm			
C92261	30	-	+	-	-	-
C92262	30	-	+	-	-	-
C92263	30	-	-	-	-	-
C92265	100	-	-	-	-	-
C92266	10	-	-	-	-	-
C92267	100	-	+	-	-	-
C92268	100	-	-	-	-	-
C92269	10	-	+	-	-	-
C92270	10	-	+	-	-	-
C92271	30	-	-	-	+	-

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	RBC PER HPF	WBC PER HPF	EPITH PER HPF	BACT PER HPF	CASTS PER LPF	CRYSTALS PER LPF1	URINE APP1	COMMENTS
Group: 8 Dose Level: 0			Dosage Unit: ppm					
C92191	0	0	1	1	0	4D	BJ	PQ
C92193	0	0	0	1	0	3D	BJ	Q
C92194	0	0	0	1	0	1B	BJ	-
C92195	0	0	1	3	0	4D	BK	PQ
C92197	0	0	1	1	0	0	AJ	Q
C92199	0	0	1	1	0	3D	BJ	Q
C92200	0	0	1	2	0	1D	BJ	PQ
C92201	0	0	1	2	0	0	BJ	PQ
C92202	0	1	1	2	0	1B1D	BJ	Q
C92203	0	0	1	3	0	4D	BJ	Q
Group: 9 Dose Level: 1			Dosage Unit: ppm					
C92261	0	0	0	2	0	4D	BJ	Q
C92262	0	0	1	1	0	3D	BJ	PQ
C92263	0	1	0	2	0	1D	BJ	Q
C92265	0	0	1	2	0	4D	AJ	PQ
C92266	0	0	1	1	0	4D	BJ	Q
C92267	1	0	1	1	0	3D	BJ	PQ
C92268	0	0	1	1	0	4D	BJ	PQ
C92269	0	0	1	2	0	4D	BJ	PQ
C92270	0	0	0	1	0	3D	BJ	PQ
C92271	1	0	0	1	0	4D	BJ	PQ

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U VOL ML	SP GR	U PH
Group: 8	Dose Level: 0		Dosage Unit: ppm
C92331	7.0	1.020	6.5
C92333	2.6	1.027	6.5
C92334	2.3	1.040	7.0
C92336	47.5 a	1.003	6.5
C92337	8.3	1.016	6.5
C92338	2.6	1.041	6.5
C92339	27.0	1.011	6.5
C92340	6.8	1.013	7.0
C92341	47.0 a	1.006	6.5
C92342	20.0	1.010	6.5
MEAN	17.1	1.019	6.6
S.D.	17.79	.0134	.21
N	10	10	10
Group: 9	Dose Level: 1		Dosage Unit: ppm
C92401	13.0	1.020	6.5
C92403	14.2	1.019	6.5
C92404	41.8	1.006	6.5
C92405	9.8	1.014	6.5
C92406	.5	1.047	6.5
C92407	46.0	1.005	6.5
C92408	43.5	1.006	6.5
C92409	5.0	1.026	7.0
C92410	10.0	1.020	6.5
C92411	15.8	1.012	6.5
MEAN	20.0	1.018	6.6
S.D.	17.04	.0126	.16
N	10	10	10

a Sample was overflowing at the time of collection.

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Individual Clinical Urinalysis Data

Females Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U PRO MG/DL	U GLU	U KET	U BILI	U BLOOD	UROBILI
Group: 8 Dose Level: 0 Dosage Unit: ppm						
C92331	100	-	-	-	-	-
C92333	10	-	-	-	-	-
C92334	10	-	-	-	-	-
C92336	0	-	-	-	-	-
C92337	0	-	-	-	-	-
C92338	10	-	-	-	-	-
C92339	0	-	-	-	-	-
C92340	0	-	-	-	-	-
C92341	100	-	-	-	-	-
C92342	30	-	-	-	-	-
Group: 9 Dose Level: 1 Dosage Unit: ppm						
C92401	0	-	-	-	-	-
C92403	10	-	-	-	-	-
C92404	0	-	-	-	+	-
C92405	10	-	-	-	-	-
C92406	10	-	-	-	-	-
C92407	0	-	-	-	-	-
C92408	0	-	-	-	-	-
C92409	10	-	-	-	-	-
C92410	0	-	-	-	-	-
C92411	0	-	-	-	-	-

Appendix 5

Individual Clinical Urinalysis Data

Females Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	RBC PER HPF	WBC PER HPF	EPITH PER HPF	BACT PER HPF	CASTS PER LPF	CRYSTALS PER LPF1	URINE APP1	COMMENTS
Group: 8 Dose Level: 0			Dosage Unit: ppm					
C92331	0	0	1	1	0	0	BJ	P
C92333	0	1	1	1	0	0	BJ	P
C92334	0	0	1	2	0	4D	BJ	PQ
C92336	0	0	1	1	0	0	AJ	-
C92337	0	0	1	1	0	1D	BJ	P
C92338	0	1	1	1	0	3D	BJ	P
C92339	0	0	1	1	0	0	BJ	-
C92340	0	0	1	1	0	0	BJ	-
C92341	0	0	1	1	0	0	AJ	-
C92342	0	0	1	2	0	2B	BJ	-
Group: 9 Dose Level: 1			Dosage Unit: ppm					
C92401	0	0	1	1	0	0	BJ	-
C92403	0	0	1	1	0	0	BJ	-
C92404	0	0	0	3	0	2B	BJ	-
C92405	0	0	1	1	0	0	BJ	P
C92406 QS	-	-	-	-	-	-	BJ	-
C92407	0	0	1	2	0	0	AJ	-
C92408	0	0	1	1	0	0	AJ	-
C92409	0	0	1	1	0	4D	BJ	P
C92410	0	1	1	1	0	0	BJ	-
C92411	0	0	1	2	0	0	BJ	-

Appendix 5

Individual Clinical Urinalysis Data

Males Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U VOL ML	SP GR	U PH
Group: 8	Dose Level: 0		Dosage Unit: ppm
C92195	15.2	1.014	7.5
C92199	9.8	1.021	7.0
C92205	18.0	1.025	7.0
C92211	49.5 a	1.004	7.0
C92223	7.0	1.034	7.0
C92230	10.3	1.030	7.0
C92238	14.2	1.024	6.5
C92246	6.3	1.041	7.5
C92247	9.2	1.037	7.0
C92253	7.3	1.027	6.5
MEAN	14.7	1.026	7.0
S.D.	12.83	.0110	.33
N	10	10	10
Group: 9	Dose Level: 1		Dosage Unit: ppm
C92267	3.3	1.055	7.0
C92274	12.3	1.024	7.0
C92286	7.4	1.038	6.5
C92287	12.5	1.020	7.0
C92288	6.7	1.032	7.0
C92303	12.5	1.023	7.0
C92315	3.6	1.037	7.0
C92317	5.0	1.038	7.0
C92320	21.5	1.017	6.5
C92324	20.0	1.016	7.0
MEAN	10.5	1.030	6.9
S.D.	6.47	.0123	.21
N	10	10	10

a Sample was overflowing at the time of collection.

Appendix 5

Individual Clinical Urinalysis Data

Males Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U PRO MG/DL	U GLU	U KET	U BILI	U BLOOD	UROBILI
Group: 8	Dose Level: 0		Dosage Unit: ppm			
C92195	30	-	-	-	-	-
C92199	100	-	-	-	-	-
C92205	300	-	-	-	-	-
C92211	0	-	-	-	-	-
C92223	>2000	-	-	-	-	-
C92230	100	-	-	-	-	-
C92238	300	-	-	-	-	-
C92246	100	-	-	-	+	-
C92247	>2000	-	-	-	-	-
C92253	100	-	-	-	-	-
Group: 9	Dose Level: 1		Dosage Unit: ppm			
C92267	300	-	+	-	-	-
C92274	100	-	+	-	+++	-
C92286	300	-	-	-	-	-
C92287	100	-	-	-	-	-
C92288	300	-	-	-	-	-
C92303	30	-	+	-	-	-
C92315	300	-	-	-	-	-
C92317	300	-	+	-	+	-
C92320	100	-	-	-	-	-
C92324	300	-	-	-	-	-

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Individual Clinical Urinalysis Data

Males Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	RBC PER HPF	WBC PER HPF	EPITH PER HPF	BACT PER HPF	CASTS PER LPF	CRYSTALS PER LPF1	URINE APP1	COMMENTS
Group: 8 Dose Level: 0			Dosage Unit: ppm					
C92195	0	0	0	2	0	4D	BJ	Q
C92199	0	0	0	1	0	2D	BJ	P
C92205	0	0	0	2	0	3D	BJ	PQ
C92211	0	0	1	1	0	0	AJ	Q
C92223	0	1	1	2	1G1H	4D	BJ	PQ
C92230	0	1	1	1	0	4D	BJ	Q
C92238	0	0	0	1	0	0	BJ	Q
C92246	3	0	1	2	0	2B4D	BJ	P
C92247	0	1	1	1	1H	0	BJ	PQ
C92253	0	0	0	1	0	3D	BJ	Q
Group: 9 Dose Level: 1			Dosage Unit: ppm					
C92267	0	0	1	1	1G	4D	CJ	PQ
C92274	3	1	1	1	0	4D	BJ	PQ
C92286	0	1	1	1	1G1H	0	BJ	P
C92287	0	0	0	1	0	1D	BJ	Q
C92288	1	1	1	2	0	4D	BJ	PQ
C92303	0	1	0	1	0	4D	BJ	Q
C92315	0	0	1	1	0	4D	BJ	PQ
C92317	4	0	0	2	0	4D	BJ	Q
C92320	0	0	0	1	0	0	BJ	Q
C92324	0	1	1	1	1G	0	BJ	PQ

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Individual Clinical Urinalysis Data

Females Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U VOL ML	SP GR	U PH
Group: 8	Dose Level: 0		Dosage Unit: ppm
C92341	49.0 a	1.004	6.5
C92356	4.0	1.023	6.5
C92357	16.2	1.021	6.5
C92365	8.0	1.024	6.5
C92372	25.4	1.012	6.5
C92376	20.0	1.009	7.0
C92388	49.0 a	1.004	6.5
C92389	3.0	1.032	6.0
C92390	49.2 a	1.002	6.5
C92395	48.5 a	1.005	6.5
MEAN	27.2	1.014	6.5
S.D.	19.88	.0106	.24
N	10	10	10
Group: 9	Dose Level: 1		Dosage Unit: ppm
C92406	2.6	1.039	6.5
C92407	8.5	1.018	6.0
C92411	13.4	1.017	6.5
C92418	18.7	1.011	6.5
C92422	4.6	1.025	7.0
C92424	38.9	1.006	7.0
C92433	12.0	1.016	6.5
C92438	13.3	1.013	6.5
C92441	8.3	1.026	6.5
C92449	10.0	1.016	6.0
MEAN	13.0	1.019	6.5
S.D.	10.19	.0093	.33
N	10	10	10

a Sample was overflowing at the time of collection.

Appendix 5

Individual Clinical Urinalysis Data

Females Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U PRO MG/DL	U GLU	U KET	U BILI	U BLOOD	UROBILI
Group: 8	Dose Level: 0		Dosage Unit: ppm			
C92341	100	-	-	-	-	-
C92356	100	-	-	-	-	-
C92357	300	-	-	-	-	-
C92365	10	-	-	-	-	-
C92372	10	-	-	-	-	-
C92376	10	-	-	-	-	-
C92388	0	-	-	-	-	-
C92389	30	-	-	-	-	-
C92390	0	-	-	-	-	-
C92395	0	-	-	-	-	-
Group: 9	Dose Level: 1		Dosage Unit: ppm			
C92406	100	-	-	-	-	-
C92407	100	-	-	-	-	-
C92411	10	-	-	-	+	-
C92418	10	-	-	-	-	-
C92422	10	-	-	-	-	-
C92424	10	-	-	-	-	-
C92433	30	-	-	-	-	-
C92438	300	-	-	-	-	-
C92441	30	-	-	-	-	-
C92449	10	-	-	-	+++	-

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Individual Clinical Urinalysis Data

Females Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	RBC PER HPF	WBC PER HPF	EPITH PER HPF	BACT PER HPF	CASTS PER LPF	CRYSTALS PER LPF1	URINE APP1	COMMENTS
Group: 8 Dose Level: 0			Dosage Unit: ppm					
C92341	0	0	1	2	1G	0	AJ	P
C92356	0	1	1	2	1G	1B	BJ	P
C92357	0	1	1	1	2G	0	BJ	P
C92365	0	1	1	1	0	0	BJ	P
C92372	0	0	0	3	0	0	BJ	-
C92376	0	0	0	1	0	0	AJ	-
C92388	0	0	1	1	0	0	AJ	-
C92389	0	1	1	1	0	0	BJ	P
C92390	0	0	0	1	0	0	AJ	-
C92395	0	0	1	2	0	0	AJ	-
Group: 9 Dose Level: 1			Dosage Unit: ppm					
C92406	0	4	1	2	0	1B	BJ	P
C92407	0	1	1	2	1G	0	BJ	P
C92411	0	0	0	1	0	0	BJ	-
C92418	0	0	1	1	0	0	BJ	P
C92422	0	0	1	3	0	1B4D	BJ	P
C92424	0	0	1	2	0	0	AJ	-
C92433	0	0	1	1	0	0	BJ	P
C92438	0	0	1	1	1G	0	BJ	P
C92441	0	0	1	1	0	0	BJ	-
C92449	4	1	1	1	0	0	BJ	-

Appendix 5

Individual Urine Chemistry Data

Males Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
Group: 8	Dose Level: 0		Dosage Unit: ppm	
C92191	33	111	.34	1.14
C92193	12	29	.37	.90
C92194	42	254	.24	1.42
C92195	57	129	.47	1.07
C92197	13	42	.43	1.38
C92199	10	18	.42	.76
C92200 a	7	16	-	-
C92201	18	73	.25	1.00
C92202	13	35	.31	.84
C92203	34	93	.36	.99
MEAN	24	80	.35	1.06
S.D.	16.7	72.9	.079	.227
N	10	10	9	9
Group: 9	Dose Level: 1		Dosage Unit: ppm	
C92261	25	74	.40	1.20
C92262 a	8	25	-	-
C92263	24	69	.55	1.59
C92265	33	96	.41	1.19
C92266	41	74	.83	1.50
C92267	52	183	.29	1.01
C92268	30	115	.52	2.00
C92269	20	80	.54	2.17
C92270	49	124	.47	1.18
C92271	15	50	.59	1.97
MEAN	30	89	.51	1.53
S.D.	14.3	43.9	.151	.425
N	10	10	9	9

a Unable to calculate excretion due to inaccurate urine volume.

Appendix 5

Individual Urine Chemistry Data

Females Week 14

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
Group: 8	Dose Level: 0		Dosage Unit: ppm	
C92331	20	60	.18	.54
C92333 a	6	9	-	-
C92334	40	103	.17	.43
C92336	28	103	.14	.53
C92337	33	64	.34	.66
C92338	42	95	.21	.48
C92339	29	82	.47	1.33
C92340	18	45	.21	.54
C92341	32	131	.17	.69
C92342	10	71	.07	.52
MEAN	26	76	.22	.64
S.D.	12.0	34.6	.119	.273
N	10	10	9	9
Group: 9	Dose Level: 1		Dosage Unit: ppm	
C92401	18	56	.40	1.25
C92403	6	11	.24	.45
C92404	27	112	.12	.52
C92405 a	6	15	-	-
C92406	14	27	.08	.15
C92407	45	126	.09	.25
C92408	16	40	.28	.71
C92409	20	32	.37	.59
C92410 a	5	15	-	-
C92411	18	78	.14	.58
MEAN	18	51	.22	.56
S.D.	12.0	41.3	.126	.333
N	10	10	8	8

a Unable to calculate excretion due to inaccurate urine volume.

Appendix 5

Individual Urine Chemistry Data

Males Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
Group: 8	Dose Level: 0		Dosage Unit: ppm	
C92191	17	84	.17	.84
C92193	24	127	.20	1.05
C92194	20	190	.16	1.52
C92195	38	186	.21	1.02
C92197	3	19	.13	.85
C92199	10	70	.18	1.22
C92200	22	92	.21	.87
C92201	15	120	.09	.70
C92202	15	146	.11	1.05
C92203	14	90	.31	1.98
MEAN	18	112	.18	1.11
S.D.	9.3	52.8	.062	.383
N	10	10	10	10
Group: 9	Dose Level: 1		Dosage Unit: ppm	
C92261	48	142	.43	1.28
C92262	16	166	.12	1.29
C92263	8	82	.10	1.01
C92265 a	8	41	-	-
C92266	42	138	.34	1.10
C92267	53	476	.08	.76
C92268	27	166	.32	1.96
C92269	10	72	.23	1.66
C92270	41	160	.38	1.49
C92271	5	66	.12	1.53
MEAN	26	151	.24	1.34
S.D.	18.7	123.3	.135	.363
N	10	10	9	9

a Unable to calculate excretion due to inaccurate urine volume.

Appendix 5

Individual Urine Chemistry Data

Females Week 27

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
Group: 8	Dose Level: 0		Dosage Unit: ppm	
C92331	16	134	.11	.94
C92333	24	124	.06	.32
C92334	47	253	.11	.58
C92336 a	4	62	-	-
C92337	9	65	.07	.54
C92338	42	232	.11	.60
C92339	3	24	.08	.65
C92340	7	56	.05	.38
C92341 a	7	18	-	-
C92342	3	43	.06	.86
MEAN	16	101	.08	.61
S.D.	16.3	83.6	.025	.212
N	10	10	8	8
Group: 9	Dose Level: 1		Dosage Unit: ppm	
C92401	13	115	.17	1.50
C92403	9	109	.13	1.55
C92404	5	24	.21	1.00
C92405	7	55	.07	.54
C92406 QS	-	-	-	-
C92407	1	10	.05	.46
C92408	5	21	.22	.91
C92409	26	136	.13	.68
C92410	11	109	.11	1.09
C92411	9	55	.14	.87
MEAN	10	70	.14	.96
S.D.	7.1	47.4	.057	.383
N	9	9	9	9

a Unable to calculate excretion due to inaccurate urine volume.

Appendix 5

Individual Urine Chemistry Data

Males Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
Group: 8	Dose Level: 0		Dosage Unit: ppm	
C92195	16	88	.24	1.34
C92199	19	105	.19	1.03
C92205	26	158	.47	2.84
C92211 a	2	10	-	-
C92223	13	183	.09	1.28
C92230	41	182	.42	1.87
C92238	8	124	.11	1.76
C92246	42	254	.26	1.60
C92247	14	200	.13	1.84
C92253	21	123	.15	.90
MEAN	20	143	.23	1.61
S.D.	13.0	68.2	.135	.579
N	10	10	9	9
Group: 9	Dose Level: 1		Dosage Unit: ppm	
C92267	64	361	.21	1.19
C92274	14	124	.17	1.53
C92286	35	211	.26	1.56
C92287	34	104	.42	1.30
C92288	17	174	.11	1.17
C92303	21	111	.26	1.39
C92315	14	207	.05	.75
C92317	42	212	.21	1.06
C92320	8	72	.17	1.55
C92324	8	70	.16	1.40
MEAN	26	165	.20	1.29
S.D.	17.9	88.6	.100	.256
N	10	10	10	10

a Unable to calculate excretion due to inaccurate urine volume.

Appendix 5

Individual Urine Chemistry Data

Females Week 53

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER	U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
Group: 8	Dose Level: 0		Dosage Unit: ppm	
C92341 a	11	51	-	-
C92356	15	77	.06	.31
C92357	26	115	.42	1.86
C92365	30	133	.24	1.06
C92372	20	46	.51	1.17
C92376	11	39	.22	.78
C92388 a	2	17	-	-
C92389	10	138	.03	.41
C92390 a	3	12	-	-
C92395 a	4	17	-	-
MEAN	13	64	.25	.93
S.D.	9.6	48.6	.191	.569
N	10	10	6	6
Group: 9	Dose Level: 1		Dosage Unit: ppm	
C92406	51	298	.13	.77
C92407	10	75	.08	.64
C92411	25	86	.34	1.15
C92418	8	59	.15	1.10
C92422	34	295	.16	1.36
C92424	7	20	.27	.78
C92433	14	69	.17	.83
C92438	8	53	.11	.70
C92441	31	164	.26	1.36
C92449	10	59	.10	.59
MEAN	20	118	.18	.93
S.D.	14.9	101.1	.085	.290
N	10	10	10	10

a Unable to calculate excretion due to inaccurate urine volume.

COVANCE
THE DEVELOPMENT SERVICES COMPANY

Sponsor:

3M
St. Paul, Minnesota

FINAL REPORT

Study Title:

104-Week Dietary Carcinogenicity Study with Narrow Range (98.1%) N-Ethyl Perfluorooctanesulfonamido Ethanol in Rats

Author:

Peter J. Thomford, PhD

Study Completion Date:

December 13, 2001

Testing Facility:

Covance Laboratories Inc.
3301 Kinsman Boulevard
Madison, Wisconsin 53704-2595

Laboratory Study Identification:

Covance 6329-228

Sponsor Study Identification:

3M T-6316.1

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Individual Anatomic Pathology Data

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92191 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/27/00 STUDY DAY OF DEATH: 722 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: 882.5 GRAMS
DATE AND TIME OF NECROPSY: 03/27/00 14:55 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); INGUINAL REGION-LEFT; WEEK 64; 135 X 100MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
>EYES; PALE; EYES; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) : -LARGE; ALL LOBES: MARGINS APPEAR ROUNDED	LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL -B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT
		THYROID (TY) : -CYST, FOLLICULAR,-MODERATE, MULTI-FOCAL -HYPERPLASIA, FOLLICULAR CELL,-SLIGHT, FOCAL
	SKIN (SK) : >NOTE:>COLLECTED FROM RIGHT INGUINAL REGION DUE TO MM MASS	
		HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL -FIBROSIS,-SLIGHT, MULTI-FOCAL
		ADRENAL, CORTEX (AC) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL
		PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT

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Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92191 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/27/00 STUDY DAY OF DEATH: 722 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: 882.5 GRAMS
DATE AND TIME OF NECROPSY: 03/27/00 14:55 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		COLON (CO) : -PARASITISM,-PRESENT DEATH COMMENT (DC) : -MAMMARY FIBROADENOMA,-PRESENT
	MAMMARY, MALE (MM) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 130 X 100 X 65 MM, DARK RED, RED, TAN, GRAY, VASCULAR, LOBULATED AND FIRM; SAME ON CUT SURFACE; PORTION COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	MAMMARY, MALE (MM) : -B-FIBROADENOMA,-NEOPLASM PRESENT

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

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3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92192 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 04/28/98 STUDY DAY OF DEATH: 23 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 313.3 GRAMS
DATE AND TIME OF NECROPSY: 04/28/98 8:55 PROSECTOR: MICHELE MARGGI RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TROY ELLENBECKER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	10.9046	3.4806 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RIGHT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; UNVERIFIED AT NECROPSY	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS	

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TROY ELLENBECKER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
HEMATO NEOPLASIA (HN)

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92193 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 645.3 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 13:42 PROSECTOR: JARED FISHEL RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT, MULTI-FOCAL LIVER (LI) : -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL PANCREAS (PA) : -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT BRAIN (BR) : -INFLAMMATION, CHRONIC,-MINIMAL, FOCAL ADRENAL, CORTEX (AC) : -HYPERTROPHY,-MODERATE, FOCAL -VACUOLATION,-SLIGHT, FOCAL
	PITUITARY (PI) : -RAISED AREA(S); ANTERIOR ASPECT: SINGLE DARK RED RAISED AREA, 2 MM IN DIAMETER	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92193 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
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DATE AND TIME OF NECROPSY: 04/04/00 13:42 PROSECTOR: JARED FISHEL RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	FOOT/FOOTPAD (FP) : -CRUSTED AREA(S); LEFT HINDFOOT: SINGLE DARK RED, DRY CRUSTED AREA, 5 MM IN DIAMETER; COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	FOOT/FOOTPAD (FP) : -EROSION,-MINIMAL, FOCAL -FIBROSIS,-MODERATELY SEVERE, FOCAL -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -INFLAMMATION, ACUTE,-MODERATE, MULTI-FOCAL MAMMARY, MALE (MM) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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DATE AND TIME OF NECROPSY: 04/04/00 13:42 PROSECTOR: JARED FISHEL RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

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ANIMAL NUMBER: C92194 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/11/00 STUDY DAY OF DEATH: 706 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: 824.1 GRAMS
DATE AND TIME OF NECROPSY: 03/11/00 14:54 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EYES; PALE; EYES; VERIFIED AT NECROPSY: NOT APPLICABLE >BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE >EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE >EYES; DILATED PUPIL; EYES; VERIFIED AT NECROPSY: NOT APPLICABLE >RESPIRATION; AUDIBLE; VERIFIED AT NECROPSY: NOT APPLICABLE >RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE >BEHAVIOR; COLD TO TOUCH; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE	LUNG (LU) : -DIFFUSELY RED; ALL LOBES KIDNEY (KD) : -DIFFUSELY LIGHT; BILATERAL: TAN LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES, DIFFUSE: MULTIPLE DARK RED, PINPOINT FOCI; COLLECTED ON ROUTINE SECTIONS -DIFFUSELY LIGHT; ALL LOBES: TAN -CYST(S); ALONG MARGIN OF LEFT LATERAL LOBE: TWO CLEAR FLUID FILLED CYSTS, ONE IS 3 MM IN DIAMETER, THE OTHER IS 5 MM IN DIAMETER; BOTH ARE COLLECTED ON THE ROUTINE SECTION -ROUGH SURFACE, DIFFUSE; ALL LOBES	LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT, MULTI-FOCAL -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL -PYELONEPHRITIS,-SLIGHT, MULTI-FOCAL LIVER (LI) : -CYST,-PRESENT -DEGENERATION, CYSTIC,-MODERATE, MULTI-FOCAL -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MODERATE, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -HYPERPLASIA, BILE DUCT,-MODERATE, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL -NECROSIS, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL PANCREAS (PA) : -ATROPHY, ACINAR,-MODERATE, FOCAL

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DATE AND TIME OF NECROPSY: 03/11/00 14:54 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PARATHYROID (PT) : -HYPERPLASIA,-MODERATE, DIFFUSE
		HEART (HT) : -DEGENERATION/NECROSIS,-SLIGHT, MULTI-FOCAL -FIBROSIS,-MINIMAL, MULTI-FOCAL -THROMBUS, ATRIAL,-MODERATELY SEVERE, FOCAL
		LN, MESENTERIC (MS) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL
		ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-MINIMAL, FOCAL -HEMORRHAGE,-MINIMAL, MULTI-FOCAL
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN AREAS, UP TO 3 X 2 MM	STOMACH, GL (ST) : -EROSION,-MODERATE, FOCAL
		URINARY BLADDER (UB) : -HYPERPLASIA, TRANSITIONAL CELL,-MODERATE, DIFFUSE
	PROSTATE (PR) : -NODULAR; PROXIMAL, SURROUNDING URETHRA: TAN	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE, MULTI-FOCAL
	SEMINAL VESICLES (SV) : -SMALL; BILATERAL: EACH IS 18 X 10 X 3 MM	SEMINAL VESICLES (SV) : -INFLAMMATION, ACUTE,-SLIGHT, MULTI-FOCAL
		DEATH COMMENT (DC) : -HEPATOCELLULAR NECROSIS,-PRESENT

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LN, MEDIASTINAL (ML) : -DIFFUSELY RED -LARGE; UP TO 6 X 5 X 5 MM; APPEARS CYSTIC (CAP 22) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL OBESE -FLUID-THORACIC CAVITY; CONTAINS A LARGE AMOUNT OF CLEAR FLUID	LN, MEDIASTINAL (ML) : -DILATATION, SINUSOIDAL,-SLIGHT, MULTI-FOCAL -HEMORRHAGE,-MINIMAL, MULTI-FOCAL

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Individual Anatomic Pathology Data

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
THYROID (TY), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92195 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 639.6 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 10:39 PROSECTOR: MONTI THOMAS MAGUIRE RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DONIA MEYER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0220	.0034 %	.0105	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0313	.0049 %	.0150	WEIGHT TAKEN
BRAIN (BR)	2.0881	.3265 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.9642	.3071 %	.9407	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	2.0438	.3195 %	.9788	WEIGHT TAKEN
LIVER (LI)	15.3839	2.4052 %	7.3674	WEIGHT TAKEN
LUNG (LU)	1.6924	.2646 %	.8105	WEIGHT TAKEN
SPLEEN (SP)	.7077	.1106 %	.3389	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.6067	.2512 %	.7695	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.6857	.2636 %	.8073	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0261	.0041 %	.0125	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0194	.0030 %	.0093	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-ANIMAL OBESE
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

PITUITARY (PI) :
-B-ADENOMA,-NEOPLASM PRESENT
PROSTATE (PR) :
-INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT,
MULTI-FOCAL
DEATH COMMENT (DC) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92195 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
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DATE AND TIME OF NECROPSY: 04/07/99 10:39 PROSECTOR: MONTI THOMAS MAGUIRE RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DONIA MEYER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92196 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 04/28/98 STUDY DAY OF DEATH: 23 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 299.0 GRAMS
DATE AND TIME OF NECROPSY: 04/28/98 8:47 PROSECTOR: MICHELE MARGGI RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TROY ELLENBECKER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	9.9178	3.3170 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RIGHT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; UNVERIFIED AT NECROPSY	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS	

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92196 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 04/28/98 STUDY DAY OF DEATH: 23 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 299.0 GRAMS
DATE AND TIME OF NECROPSY: 04/28/98 8:47 PROSECTOR: MICHELE MARGGI RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TROY ELLENBECKER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
HEMATO NEOPLASIA (HN)

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92197 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 521.5 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 11:21 PROSECTOR: WENDY CHERRY RECORDER: PAMELA L. SCHULZ-STUEBER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: NOT OBSERVED	KIDNEY (KD) :	KIDNEY (KD) :
>SKIN & PELAGE; SORE/SCAB; DORSAL; VERIFIED AT NECROPSY: OBSERVED	-LARGE PELVIS(ES); BILATERAL	-DILATATION, PELVIC,-PRESENT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	-GRANULAR MATERIAL; RIGHT, WITHIN PELVIS: MULTIPLE TAN AND FIRM GRANULES, UP TO 1 MM IN DIAMETER	-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
>APPEARANCE; SWOLLEN; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) :	-MINERALIZATION, PELVIC,-MINIMAL, FOCAL
	-MASS(ES); RIGHT MEDIAN LOBE: SINGLE MASS, 27 X 28 X 15 MM, BROWN, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (HEPATIC) NORMAL (CAP 23)	-NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL
		LIVER (LI) :
		-DEGENERATION, CYSTIC,-MINIMAL, FOCAL
		-HEMORRHAGE,-SLIGHT, FOCAL
		-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
		-B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT
		PANCREAS (PA) :
		-B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT
		THYROID (TY) :
		-CYST, FOLLICULAR,-MODERATE, FOCAL
	TESTIS (TE) :	TESTIS (TE) :
	-SMALL; RIGHT: 24 X 15 X 7 MM (LEFT IS 25 X 16 X 11 MM); RIGHT IS SOFT	-ATROPHY/DEGENERATION,-SEVERE, DIFFUSE
	SKIN (SK) :	>NOTE:>RIGHT TESTIS
	-RAISED AREA(S); MID DORSAL LUMBAR REGION: SINGLE TAN AREA, 3 X 2 MM	SKIN (SK) :
		-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
		-INFLAMMATION, ACUTE,-MINIMAL, MULTI-FOCAL

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92197 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 521.5 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 11:21 PROSECTOR: WENDY CHERRY RECORDER: PAMELA L. SCHULZ-STUEBER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		SKIN (SK) : -B-PAPILLOMA, SQUAMOUS CELL,-NEOPLASM PRESENT BRAIN (BR) : -MINERALIZATION,-MINIMAL, FOCAL HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL -FIBROSIS,-SLIGHT, MULTI-FOCAL ADRENAL, CORTEX (AC) : -VACUOLATION,-MINIMAL, FOCAL ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT LN, OTHER (LN) : >UNREMARKABLE >NOTE:>HEPATIC LYMPH NODE
	JOINT, OTHER (JT) : -LARGE; LEFT TARSAL JOINT: UP TO 20 MM IN DIAMETER; COLLECTED	JOINT, OTHER (JT) : -EDEMA,-MODERATE, MULTI-FOCAL -EXOSTOSES,-MODERATE, FOCAL -INFLAMMATION, ACUTE, SYNOVIAL,-SLIGHT, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN -BONE MARROW SMEAR TAKEN	

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92197 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
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DATE AND TIME OF NECROPSY: 04/04/00 11:21 PROSECTOR: WENDY CHERRY RECORDER: PAMELA L. SCHULZ-STUEBER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PARATHYROID (PT), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92198 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 06/19/98 STUDY DAY OF DEATH: 75 STUDY WEEK OF DEATH: 11 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 06/19/98 13:54 PROSECTOR: TROY ELLENBECKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	KIDNEY (KD) : -LARGE PELVIS(ES); BILATERAL URINARY BLADDER (UB) : -CALCULUS(I); WITHIN LUMEN: MULTIPLE WHITE, TAN AND HARD CALCULI, UP TO 13 X 10 X 8 MM -THICKENED WALL; DIFFUSE -RED FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK RED AREAS, UP TO 2 X 1 MM URETER (UE) : -LARGE; BILATERAL: UP TO 2 MM IN DIAMETER (CAP 18) GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; MOIST BROWN MATERIAL -URINARY BLADDER-LARGE LUMEN; 50 X 30 X 20 MM; CONTAINS A BROWN SEMIFLUID -AUTOLYSIS-SEVERE; ENTIRE GI TRACT	KIDNEY (KD) : -DILATATION, PELVIC,-PRESENT -PYELONEPHRITIS,-MODERATE, MULTI-FOCAL URINARY BLADDER (UB) : -HYPERPLASIA, TRANSITIONAL CELL,-SEVERE, DIFFUSE -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE, MULTI-FOCAL PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE, MULTI-FOCAL DEATH COMMENT (DC) : -CYSTITIS,-PRESENT URETER (UE) : -DILATATION,-MODERATE, DIFFUSE

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92198 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (D)
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DATE AND TIME OF NECROPSY: 06/19/98 13:54 PROSECTOR: TROY ELLENBECKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92199 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 635.6 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 11:03 PROSECTOR: TONY HANFELD RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0297	.0047 %	.0125	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0343	.0054 %	.0145	WEIGHT TAKEN
BRAIN (BR)	2.3690	.3727 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	2.0154	.3171 %	.8507	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.9204	.3021 %	.8106	WEIGHT TAKEN
LIVER (LI)	16.0651	2.5275 %	6.7814	WEIGHT TAKEN
LUNG (LU)	2.1731	.3419 %	.9173	WEIGHT TAKEN
SPLEEN (SP)	.8156	.1283 %	.3443	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.7522	.2757 %	.7396	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.6697	.2627 %	.7048	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0238	.0037 %	.0100	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0341	.0054 %	.0144	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-ANIMAL OBESE
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

KIDNEY (KD) :
-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
STOMACH, GL (ST) :
-EDEMA,-SLIGHT, FOCAL
DEATH COMMENT (DC) :
-SCHEDULED SACRIFICE,-PRESENT

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 635.6 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 11:03 PROSECTOR: TONY HANFELD RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92200 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/21/99 STUDY DAY OF DEATH: 534 STUDY WEEK OF DEATH: 77 TERMINAL BODY WEIGHT: 673.4 GRAMS
DATE AND TIME OF NECROPSY: 09/21/99 9:55 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>WART LIKE LESION(S); TAIL-PROXIMAL; WEEK 74; VERIFIED AT NECROPSY: OBSERVED		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, MULTI-FOCAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) : -CYST,-SLIGHT, FOCAL -MINERALIZATION, PELVIC,-SLIGHT, FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL -VACUOLATION, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL
		PANCREAS (PA) : -PIGMENT,-MINIMAL, MULTI-FOCAL
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
		HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 5 X 5 X 7 MM, FIRM, RED, DARK RED, TAN AND LOBULATED	PITUITARY (PI) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92200 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/21/99 STUDY DAY OF DEATH: 534 STUDY WEEK OF DEATH: 77 TERMINAL BODY WEIGHT: 673.4 GRAMS
DATE AND TIME OF NECROPSY: 09/21/99 9:55 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		RECTUM (RE) : >TISSUE MISSING PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL, FOCAL DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT
	TAIL (TI) : -RAISED AREA(S); NEAR BASE OF TAIL: SINGLE TAN FIRM AREA, 4 MM IN DIAMETER; COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY RED MATERIAL	TAIL (TI) : -B-FIBROMA,-NEOPLASM PRESENT

APPENDIX 6

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92200 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/21/99 STUDY DAY OF DEATH: 534 STUDY WEEK OF DEATH: 77 TERMINAL BODY WEIGHT: 673.4 GRAMS
DATE AND TIME OF NECROPSY: 09/21/99 9:55 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92201 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 662 STUDY WEEK OF DEATH: 95 TERMINAL BODY WEIGHT: 682.3 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 12:33 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; LIMITED USE; LIMBS-HIND; VERIFIED AT NECROPSY: NOT APPLICABLE >EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL PANCREAS (PA) : -PIGMENT,-MINIMAL, MULTI-FOCAL -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : >UNREMARKABLE HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL
	PITUITARY (PI) : -MASS(ES); 10 X 9 X 8 MM, RED, DARK RED AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92201 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/27/00 STUDY DAY OF DEATH: 662 STUDY WEEK OF DEATH: 95 TERMINAL BODY WEIGHT: 682.3 GRAMS
DATE AND TIME OF NECROPSY: 01/27/00 12:33 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), LIVER (LI), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92202 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/25/99 STUDY DAY OF DEATH: 599 STUDY WEEK OF DEATH: 86 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/25/99 7:24 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATELY SEVERE, DIFFUSE
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
		HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL -FIBROSIS,-MINIMAL, MULTI-FOCAL
		ADRENAL, CORTEX (AC) : -VACUOLATION,-MINIMAL, FOCAL
	PITUITARY (PI) : -MASS(ES); 7 MM IN DIAMETER, RED, DARK RED, TAN AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		ILEUM (IL) : >AUTOLYTIC
		DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT
	MAMMARY, MALE (MM) : -CYST(S); BILATERAL PECTORAL REGION: MULTIPLE TAN AND CREAMY SEMIFLUID FILLED CYSTS, UP TO 6 MM IN DIAMETER (CAP 19)	MAMMARY, MALE (MM) : -GALACTOCELE,-MODERATE, MULTI-FOCAL

APPENDIX 6

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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DATE AND TIME OF NECROPSY: 11/25/99 7:24 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -MALOCCLUSION; BILATERAL UPPER INCISORS	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92203 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 554.2 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 8:28 PROSECTOR: JAMES T. CALLEN RECORDER: PAMELA L. SCHULZ-STUEBER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; SWOLLEN; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED	KIDNEY (KD) : -ROUGH SURFACE, DIFFUSE; BILATERAL -DIFFUSELY LIGHT; BILATERAL: TAN LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 4 X 3 MM; COLLECTED ON ROUTINE SECTIONS PANCREAS (PA) : -LARGE VESSELS; UP TO 2 MM IN DIAMETER (CAP 24) PARATHYROID (PT) : -LARGE; BILATERAL: EACH IS UP TO 2 MM IN DIAMETER	KIDNEY (KD) : -CYST,-MODERATE, MULTI-FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-SEVERE, DIFFUSE LIVER (LI) : -DEGENERATION, CYSTIC,-MODERATE, MULTI-FOCAL -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MODERATELY SEVERE, MULTI-FOCAL PANCREAS (PA) : -ATROPHY, ACINAR,-MODERATE, FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -HYPERTROPHY, VASCULAR,-MODERATELY SEVERE, MULTI-FOCAL -INFLAMMATION, VASCULAR,-MINIMAL, MULTI-FOCAL -PIGMENT,-SLIGHT, MULTI-FOCAL PARATHYROID (PT) : -HYPERPLASIA,-MODERATELY SEVERE, DIFFUSE TESTIS (TE) : -ATROPHY/DEGENERATION,-SLIGHT, MULTI-FOCAL

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O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		TESTIS (TE) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL -FIBROSIS,-MINIMAL, MULTI-FOCAL ADRENAL, CORTEX (AC) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -VACUOLATION,-MODERATE, MULTI-FOCAL ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT
	PITUITARY (PI) : -LARGE; 7 MM IN DIAMETER -RED FOCUS(I)/AREA(S); DIFFUSE: MULTIPLE DARK RED AREAS, UP TO 1 MM IN DIAMETER	PITUITARY (PI) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -THICKENED WALL; ALL REGIONS DIFFUSE	STOMACH, GL (ST) : -MINERALIZATION,-MODERATE, MULTI-FOCAL PROSTATE (PR) : -INFLAMMATION, ACUTE,-SLIGHT, MULTI-FOCAL DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT
	LN, RENAL (RL) : -LARGE; BILATERAL: EACH IS 6 X 5 X 4 MM (CAP 22) -DIFFUSELY RED; BILATERAL: DARK RED	LN, RENAL (RL) : -DILATATION, SINUSOIDAL,-MODERATELY SEVERE, MULTI-FOCAL -HEMORRHAGE,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LN, RENAL (RL) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL, MULTI-FOCAL
	LN, LUMBAR/ILIAC (LM) : -LARGE; BILATERAL: EACH IS 7 X 5 X 2 MM (CAP 23)	LN, LUMBAR/ILIAC (LM) : -DILATATION, SINUSOIDAL,-MODERATELY SEVERE, MULTI-FOCAL
		MAMMARY, MALE (MM) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL
	JOINT, OTHER (JT) : -LARGE; LEFT TARSAL: UP TO 15 MM IN DIAMETER; COLLECTED	JOINT, OTHER (JT) : -EDEMA,-MODERATELY SEVERE, MULTI-FOCAL -EXOSTOSES,-MODERATELY SEVERE, MULTI-FOCAL -FIBROSIS,-SLIGHT, MULTI-FOCAL -INFLAMMATION, CHRONIC-ACTIVE, SYNOVIAL,-MODERATE, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

APPENDIX 6

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), THYROID (TY), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), THYROID (TY), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92204 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/27/99 STUDY DAY OF DEATH: 570 STUDY WEEK OF DEATH: 82 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/27/99 13:56 PROSECTOR: JOHN S. HALFORD RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	KIDNEY (KD) : -LARGE PELVIS(ES); BILATERAL -GRANULAR MATERIAL; RIGHT, WITHIN PELVIS: MULTIPLE TAN AND GRAY GRANULES, PINPOINT AND UP TO 1 MM IN DIAMETER LIVER (LI) : -LARGE; LEFT LATERAL LOBE BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) SPLEEN (SP) : -LARGE; 71 X 19 X 12 MM PITUITARY (PI) : -MASS(ES); 6 X 6 X 4 MM, DARK RED, LOBULATED AND SOFT; MASS ADHERED TO HYPOTHALAMUS OF BRAIN	KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -DILATATION, PELVIC,-PRESENT LIVER (LI) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL SPINAL CORD (SC) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL SPLEEN (SP) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT PITUITARY (PI) : -HEMORRHAGE,-SEVERE, FOCAL -B-ADENOMA,-NEOPLASM PRESENT

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		STOMACH, NONGL (SU) : -EDEMA,-MODERATELY SEVERE, FOCAL JEJUNUM (JE) : >AUTOLYTIC ILEUM (IL) : >AUTOLYTIC
	PROSTATE (PR) : -NODULAR; PROXIMAL, SURROUNDING URETHRA: GREEN AND FIRM	PROSTATE (PR) : >UNREMARKABLE
		SEMINAL VESICLES (SV) : -SECRETION, INCREASED,-PRESENT DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT HEMATO NEOPLASIA (HN) : -M-LYMPHOMA,-NEOPLASM PRESENT

APPENDIX 6

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), GENERAL COMMENT (GC), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), EPIDIDYMIDES (EP)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92205 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 832.4 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 10:32 PROSECTOR: TONY HANFELD RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0471	.0057 %	.0196	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0298	.0036 %	.0124	WEIGHT TAKEN
BRAIN (BR)	2.4066	.2891 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	2.5383	.3049 %	1.0547	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	2.6192	.3147 %	1.0883	WEIGHT TAKEN
LIVER (LI)	20.3350	2.4429 %	8.4497	WEIGHT TAKEN
LUNG (LU)	2.3955	.2878 %	.9954	WEIGHT TAKEN
SPLEEN (SP)	1.0579	.1271 %	.4396	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.8842	.2264 %	.7829	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.9211	.2308 %	.7983	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0299	.0036 %	.0124	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0350	.0042 %	.0145	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
LIVER (LI) :
-HEMORRHAGE,-MINIMAL, FOCAL
-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
THYROID (TY) :
-CYST, FOLLICULAR,-MODERATE, MULTI-FOCAL
HARDERIAN GLAND (HG) :
-ONE EXAMINED,-PRESENT

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O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		RECTUM (RE) : -PARASITISM,-PRESENT PROSTATE (PR) : -INFLAMMATION, ACUTE,-SLIGHT, FOCAL DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -ANIMAL OBESE -BONE MARROW SMEAR TAKEN	

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LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92206 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/14/99 STUDY DAY OF DEATH: 527 STUDY WEEK OF DEATH: 76 TERMINAL BODY WEIGHT: 531.2 GRAMS
DATE AND TIME OF NECROPSY: 09/14/99 11:22 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) :	LIVER (LI) :
	-LARGE; ALL LOBES	>UNREMARKABLE
	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
		-DILATATION, VENTRICULAR,-PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 10 X 8 X 7 MM, RED, DARK RED, TAN AND SOFT	-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) :	STOMACH, GL (ST) :
	-THICKENED WALL; MUCOSA, NEAR JUNCTION OF NONGLANDULAR: TAN	>UNREMARKABLE
		PROSTATE (PR) :
		-INFLAMMATION, ACUTE,-SLIGHT, FOCAL
		DEATH COMMENT (DC) :
		-PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) :	
	-BLOOD FILM TAKEN	

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92206 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/14/99 STUDY DAY OF DEATH: 527 STUDY WEEK OF DEATH: 76 TERMINAL BODY WEIGHT: 531.2 GRAMS
DATE AND TIME OF NECROPSY: 09/14/99 11:22 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

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Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92207 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 04/28/98 STUDY DAY OF DEATH: 23 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 316.2 GRAMS
DATE AND TIME OF NECROPSY: 04/28/98 8:15 PROSECTOR: MICHELE MARGGI RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TROY ELLENBECKER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	11.1487	3.5258 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RIGHT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; UNVERIFIED AT NECROPSY	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92207 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 04/28/98 STUDY DAY OF DEATH: 23 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 316.2 GRAMS
DATE AND TIME OF NECROPSY: 04/28/98 8:15 PROSECTOR: MICHELE MARGGI RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TROY ELLENBECKER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
HEMATO NEOPLASIA (HN)

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92208 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 1038.7 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 8:47 PROSECTOR: DENNIS HOFFMAN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; DORSAL-THORACIC-RIGHT; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT, DIFFUSE -MINERALIZATION, PELVIC,-SLIGHT, FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATELY SEVERE, MULTI-FOCAL -PYELONEPHRITIS,-SLIGHT, MULTI-FOCAL
	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
		PANCREAS (PA) : -ATROPHY, ACINAR,-MINIMAL, FOCAL
		THYROID (TY) : -CYST, FOLLICULAR,-MODERATE, FOCAL
	TESTIS (TE) : -SMALL; BILATERAL: EACH IS 9 X 9 X 20 MM -CONTAINS FLUID; BILATERAL: CLEAR FLUID	TESTIS (TE) : -ATROPHY/DEGENERATION,-SEVERE, MULTI-FOCAL
		SKIN (SK) : -INFLAMMATION, ACUTE,-MINIMAL, FOCAL

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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DATE AND TIME OF NECROPSY: 04/04/00 8:47 PROSECTOR: DENNIS HOFFMAN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

SKIN (SK) :
-CRUSTED AREA(S); RIGHT LATERAL THORACIC AND ABDOMINAL REGIONS: MULTIPLE DRY, RED CRUSTED AREAS, UP TO 3 X 4 MM (CAP 22)

HISTOPATHOLOGY

BRAIN (BR) :
-MINERALIZATION,-MINIMAL, FOCAL
HEART (HT) :
-DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL
-FIBROSIS,-MINIMAL, MULTI-FOCAL
ADRENAL, CORTEX (AC) :
-VACUOLATION,-MINIMAL, MULTI-FOCAL
ADRENAL, MEDULLA (MA) :
-B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT
PITUITARY (PI) :
-B-ADENOMA,-NEOPLASM PRESENT
HARDERIAN GLAND (HG) :
-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
URINARY BLADDER (UB) :
-HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT, DIFFUSE
-INFLAMMATION, CHRONIC,-SLIGHT, MULTI-FOCAL
PROSTATE (PR) :
-EDEMA,-SLIGHT, MULTI-FOCAL
-INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL, MULTI-FOCAL

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92208 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 1038.7 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 8:47 PROSECTOR: DENNIS HOFFMAN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		SEMINAL VESICLES (SV) : -INFLAMMATION, CHRONIC-ACTIVE,- MODERATE, MULTI-FOCAL DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -STAINS-PERINEUM/PERIANAL; DRY, BROWN MATERIAL -ANIMAL OBESE -BONE MARROW SMEAR TAKEN	

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 1038.7 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 8:47 PROSECTOR: DENNIS HOFFMAN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PARATHYROID (PT), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

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Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92209 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 527.1 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 10:54 PROSECTOR: JAMES T. CALLEN RECORDER: PAMELA L. SCHULZ-STUEBER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE >APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,- MODERATELY SEVERE, DIFFUSE PANCREAS (PA) : -HYPERTROPHY, VASCULAR,-MODERATE, MULTI- FOCAL THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT -INFLAMMATION, CHRONIC,-SLIGHT, FOCAL TESTIS (TE) : -INFLAMMATION, CHRONIC,-MINIMAL, FOCAL
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) PITUITARY (PI) : -MASS(ES); 7 X 5 X 3 MM, RED, TAN AND FIRM STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE BROWN AREAS, UP TO 2 X 1 MM	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT STOMACH, GL (ST) : >UNREMARKABLE PROSTATE (PR) : -INFLAMMATION, ACUTE,-MINIMAL, MULTI- FOCAL DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL: LOWER INCISORS -DISCHARGE-OCULAR; BILATERAL: DRY RED MATERIAL -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92209 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), LIVER (LI), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92210 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/23/00 STUDY DAY OF DEATH: 689 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: 560.7 GRAMS
DATE AND TIME OF NECROPSY: 02/23/00 10:41 PROSECTOR: JOHN S. HALFORD RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT
>SKIN & PELAGE; RED HAIR COAT; PERINEAL AREA; VERIFIED AT NECROPSY: OBSERVED		
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	TESTIS (TE) : -SMALL; BILATERAL: EACH IS 20 X 10 X 8 MM; BOTH ARE SOFT	TESTIS (TE) : -ATROPHY/DEGENERATION,-MODERATELY SEVERE, DIFFUSE
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT
		HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL -FIBROSIS,-MINIMAL, MULTI-FOCAL
		ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-MODERATE, MULTI-FOCAL -HEMORRHAGE,-MODERATE, FOCAL -VACUOLATION,-MODERATE, MULTI-FOCAL
	PITUITARY (PI) : -MASS(ES); 8 X 8 X 7 MM, RED, DARK RED, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, GL (ST) : -EROSION/ULCERATION; MUCOSA: MULTIPLE BROWN ERODED AREAS, UP TO 2 X 1 MM	STOMACH, GL (ST) : >UNREMARKABLE
	STOMACH, NONGL (SU) : -THICKENED WALL; MUCOSA, DIFFUSE	STOMACH, NONGL (SU) : -EDEMA,-SLIGHT, FOCAL
	PROSTATE (PR) : -NODULAR; PROXIMAL, SURROUNDING URETHRA: GREEN AND FIRM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE, MULTI-FOCAL
	SEMINAL VESICLES (SV) : -SMALL; BILATERAL: EACH IS 13 X 5 X 3 MM	SEMINAL VESICLES (SV) : >UNREMARKABLE
		DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT
	LN, MANDIBULAR (MN) : -MOTTLED; BILATERAL: RED AND TAN (CAP 20)	LN, MANDIBULAR (MN) : >UNREMARKABLE
	LN, LUMBAR/ILIAC (LM) : -MOTTLED; BILATERAL: RED AND TAN (CAP 21)	LN, LUMBAR/ILIAC (LM) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL
	MAMMARY, MALE (MM) : -CYST(S); BILATERAL, PECTORAL REGIONS: MULTIPLE WHITE CREAMY SEMIFLUID FILLED CYSTS, UP TO 2 MM IN DIAMETER (CAP 19)	MAMMARY, MALE (MM) : -GALACTOCELE,-MODERATE, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL, UPPER INCISORS	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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ANIMAL NUMBER: C92210 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
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DATE AND TIME OF NECROPSY: 02/23/00 10:41 PROSECTOR: JOHN S. HALFORD RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; PERIANAL: DRY RED MATERIAL; POSSIBLY CONSISTENT WITH STAINS (PERINEAL REGION) AS NOTED IN CLINICAL OBSERVATIONS -DISCHARGE-OCULAR; BILATERAL: DRY RED MATERIAL -STAINS - SKIN/HAIRCOAT; ENTIRE VENTRAL SURFACE: DRY YELLOW MATERIAL	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), EPIDIDYMIDES (EP), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

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Covance 6329-228
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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92211 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 627.6 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 9:46 PROSECTOR: WENDY CHERRY RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0295	.0047 %	.0121	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0271	.0043 %	.0112	WEIGHT TAKEN
BRAIN (BR)	2.4300	.3872 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	2.1992	.3504 %	.9050	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	2.2819	.3636 %	.9391	WEIGHT TAKEN
LIVER (LI)	17.6271	2.8087 %	7.2540	WEIGHT TAKEN
LUNG (LU)	2.1850	.3482 %	.8992	WEIGHT TAKEN
SPLEEN (SP)	.9756	.1554 %	.4015	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.8440	.2938 %	.7588	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.7913	.2854 %	.7372	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0192	.0031 %	.0079	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0168	.0027 %	.0069	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

DEATH COMMENT (DC) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92211 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 627.6 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 9:46 PROSECTOR: WENDY CHERRY RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92212 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/27/00 STUDY DAY OF DEATH: 722 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: 372.6 GRAMS
DATE AND TIME OF NECROPSY: 03/27/00 15:14 PROSECTOR: JERALD W. JOHNSON RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED	KIDNEY (KD) :	KIDNEY (KD) :
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	-ROUGH SURFACE, DIFFUSE; BILATERAL	-NEPHROPATHY, CHRONIC PROGRESSIVE,-SEVERE, DIFFUSE
>DISCHARGE; NASAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED	-DIFFUSELY LIGHT; BILATERAL: TAN	-THROMBUS,-MODERATELY SEVERE, FOCAL
>SKIN & PELAGE; RED HAIR COAT; PERINEAL AREA; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) :	LIVER (LI) :
>SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE	-DIFFUSELY LIGHT; ALL LOBES: TAN	>UNREMARKABLE
		PANCREAS (PA) :
		-THROMBUS,-MODERATELY SEVERE, FOCAL
	PARATHYROID (PT) :	PARATHYROID (PT) :
	-LARGE; BILATERAL: EACH IS 1 MM IN DIAMETER	-HYPERPLASIA,-MINIMAL, DIFFUSE
	TESTIS (TE) :	TESTIS (TE) :
	-SMALL; BILATERAL: EACH IS 18 X 9 X 8 MM; BOTH ARE SOFT	-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
		HEART (HT) :
		-DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL
		-FIBROSIS,-MINIMAL, MULTI-FOCAL
		ADRENAL, CORTEX (AC) :
		-VACUOLATION,-MODERATE, FOCAL
		ADRENAL, MEDULLA (MA) :
		-B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 6 MM IN DIAMETER, RED, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -RED FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK RED AREAS, UP TO 2 X 1 MM -THICKENED WALL; MUCOSA, DIFFUSE	STOMACH, GL (ST) : -EROSION,-MINIMAL, FOCAL
	STOMACH, NONGL (SU) : -THICKENED WALL; MUCOSA, DIFFUSE -EROSION/ULCERATION; MUCOSA: MULTIPLE RED AND TAN ERODED AREAS, UP TO 5 MM IN DIAMETER	STOMACH, NONGL (SU) : -INFLAMMATION, ACUTE,-MINIMAL, MULTI-FOCAL
	DUODENUM (DU) : -THICKENED WALL; DIFFUSE; COLLECTED ON ROUTINE SECTION	DUODENUM (DU) : >UNREMARKABLE
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE, MULTI-FOCAL
	SEMINAL VESICLES (SV) : -SMALL; BILATERAL: EACH IS 15 X 5 X 2 MM	SEMINAL VESICLES (SV) : >UNREMARKABLE
		DEATH COMMENT (DC) : -PYELONEPHRITIS,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -STAINS-PERINEUM/PERIANAL; RED, MOIST MATERIAL -DISCHARGE-NASAL; DRY, RED MATERIAL	

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Individual Anatomic Pathology Data

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), PANCREAS (PA), THYROID (TY), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), THYROID (TY), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

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Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92213 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/27/99 STUDY DAY OF DEATH: 356 STUDY WEEK OF DEATH: 51 TERMINAL BODY WEIGHT: 506.4 GRAMS
DATE AND TIME OF NECROPSY: 03/27/99 14:50 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: NOT OBSERVED		LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL, MULTI-FOCAL -N-TRANSITIONAL CELL CARCINOMA,-NEOPLASM PRESENT
>BEHAVIOR; COLD TO TOUCH; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE		
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	KIDNEY (KD) : -LARGE PELVIS(ES); BILATERAL -MASS(ES); LEFT: SINGLE MASS, 35 X 20 X 10 MM, RED, DARK RED AND SOFT; SAME ON CUT SURFACE; COLLECTED WITH LEFT KIDNEY; REGIONAL LN (RENAL) NOT IDENTIFIED	KIDNEY (KD) : -DILATATION, PELVIC,-PRESENT -MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL -THROMBUS,-MODERATE, MULTI-FOCAL -I-TRANSITIONAL CELL CARCINOMA,-NEOPLASM PRESENT
		PARATHYROID (PT) : -HYPERPLASIA,-SLIGHT, DIFFUSE
	TESTIS (TE) : -SMALL; RIGHT: 17 X 11 X 7 MM (FOR COMPARISON, LEFT IS 20 X 14 X 10 MM)	TESTIS (TE) : -ATROPHY/DEGENERATION,-MODERATELY SEVERE, MULTI-FOCAL -MINERALIZATION,-SLIGHT, MULTI-FOCAL -SPERMATOCELE,-MODERATE, FOCAL
		EYE (EY) : -INFLAMMATION, ACUTE, CORNEAL,-MINIMAL, MULTI-FOCAL

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92213 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/27/99 STUDY DAY OF DEATH: 356 STUDY WEEK OF DEATH: 51 TERMINAL BODY WEIGHT: 506.4 GRAMS
DATE AND TIME OF NECROPSY: 03/27/99 14:50 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		EYE (EY) : -INFLAMMATION, ACUTE, CILIARY,-MINIMAL, MULTI-FOCAL -ULCERATION, CORNEAL,-MODERATE, FOCAL
	STOMACH, GL (ST) : -RED FOCUS(I)/AREA(S); MUCOSA: MULTIPLE RED AND DARK RED AREAS, UP TO 2 X 1 MM	STOMACH, GL (ST) : >UNREMARKABLE
	PROSTATE (PR) : -GELATINOUS; DIFFUSE: TAN AND CLEAR	PROSTATE (PR) : -I-TRANSITIONAL CELL CARCINOMA,-NEOPLASM PRESENT
	SEMINAL VESICLES (SV) : -MASS(ES); BILATERAL, INVOLVING ALL OF BOTH ORGANS: SINGLE MASS, 65 X 55 X 40 MM, RED, DARK RED, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (LUMBAR) NOT IDENTIFIED	SEMINAL VESICLES (SV) : -M-TRANSITIONAL CELL CARCINOMA,-NEOPLASM PRESENT
		DEATH COMMENT (DC) : -TRANSITIONAL CELL CARCINOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92213 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/27/99 STUDY DAY OF DEATH: 356 STUDY WEEK OF DEATH: 51 TERMINAL BODY WEIGHT: 506.4 GRAMS
DATE AND TIME OF NECROPSY: 03/27/99 14:50 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LIVER (LI), PANCREAS (PA), THYROID (TY), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92214 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/15/99 STUDY DAY OF DEATH: 589 STUDY WEEK OF DEATH: 85 TERMINAL BODY WEIGHT: 600.8 GRAMS
DATE AND TIME OF NECROPSY: 11/15/99 13:59 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>DISCHARGE; NASAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED	KIDNEY (KD) :	KIDNEY (KD) :
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED	-LARGE PELVIS(ES); BILATERAL	-DILATATION, PELVIC,-PRESENT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED	-DIFFUSELY LIGHT; BILATERAL: TAN	-MINERALIZATION, TUBULAR,-SLIGHT, MULTI-FOCAL
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	-LARGE; BILATERAL: EACH IS 27 X 17 X 14 MM	-PYELONEPHRITIS,-MODERATE, MULTI-FOCAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) :	-THROMBUS,-MODERATELY SEVERE, FOCAL
	-DIFFUSELY LIGHT; ALL LOBES: LIGHT RED	LIVER (LI) :
	>NOTE:>TRIMMING COMMENT: RIGHT MEDIAN LOBE OF LIVER MISSING AT TIME OF TRIMMING	-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
	HEART (HT) :	HEART (HT) :
	-LIGHT FOCUS(I)/AREA(S); EPICARDIUM OF BOTH VENTRICLES: MULTIPLE GRAY INDISTINCT AREAS	>UNREMARKABLE
	ADRENAL, CORTEX (AC) :	ADRENAL, CORTEX (AC) :
	-DIFFUSELY RED; BILATERAL: DARK RED	-VACUOLATION,-MINIMAL, MULTI-FOCAL
	STOMACH, GL (ST) :	STOMACH, GL (ST) :
	-RED FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK RED AREAS, UP TO 2 X 1 MM	-EDEMA,-SLIGHT, FOCAL
		STOMACH, NONGL (SU) :
		-ACANTHOSIS,-SLIGHT, DIFFUSE
		-HYPERKERATOSIS, NONGLANDULAR MUCOSA,-SLIGHT, DIFFUSE

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ANIMAL NUMBER: C92214 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/15/99 STUDY DAY OF DEATH: 589 STUDY WEEK OF DEATH: 85 TERMINAL BODY WEIGHT: 600.8 GRAMS
DATE AND TIME OF NECROPSY: 11/15/99 13:59 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	URINARY BLADDER (UB) : -CALCULUS(I); WITHIN LUMEN: MULTIPLE TAN, HARD CALCULI, UP TO 7 MM IN DIAMETER -THICKENED WALL; DIFFUSE -DIFFUSELY RED; RED AND DARK RED -SEMIFLUID MATERIAL; WITHIN LUMEN: CONTAINS A YELLOWISH-BROWN SEMIFLUID MATERIAL	URINARY BLADDER (UB) : -HYPERPLASIA, TRANSITIONAL CELL,-MODERATELY SEVERE, DIFFUSE -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE, MULTI-FOCAL -ULCERATION,-MODERATELY SEVERE, FOCAL
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE, MULTI-FOCAL
	SEMINAL VESICLES (SV) : -SMALL; RIGHT: 15 X 6 X 2 MM (LEFT IS 25 X 10 X 3 MM)	SEMINAL VESICLES (SV) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE, MULTI-FOCAL
		DEATH COMMENT (DC) : -CYSTITIS,-PRESENT
	URETER (UE) : -LARGE; BILATERAL: EACH IS 1 MM IN DIAMETER (CAP 19)	URETER (UE) : -DILATATION,-MODERATE, DIFFUSE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -STAINS-PERINEUM/PERIANAL; DRY, YELLOW MATERIAL -URINARY BLADDER-LARGE LUMEN; 45 X 27 X 27 MM -DISCHARGE-NASAL; DRY, RED MATERIAL	

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92214 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/15/99 STUDY DAY OF DEATH: 589 STUDY WEEK OF DEATH: 85 TERMINAL BODY WEIGHT: 600.8 GRAMS
DATE AND TIME OF NECROPSY: 11/15/99 13:59 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), PROSTATE (PR), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

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Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92215 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/14/99 STUDY DAY OF DEATH: 527 STUDY WEEK OF DEATH: 76 TERMINAL BODY WEIGHT: 555.0 GRAMS
DATE AND TIME OF NECROPSY: 09/14/99 10:21 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED
>EYES; SQUINTED; PERI-ORBITAL-LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; BROWN HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; BROWN HAIR COAT; VENTRAL-CERVICAL; VERIFIED AT NECROPSY: OBSERVED
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-MALOCCLUSION; BILATERAL: LOWER INCISORS
-STAINS - SKIN/HAIRCOAT; VENTRAL ABDOMINAL AND CERVICAL REGIONS, HAIRCOAT: BROWN

HISTOPATHOLOGY

KIDNEY (KD) :
-DILATATION, PELVIC,-PRESENT
-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT, MULTI-FOCAL
LIVER (LI) :
-HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL
-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
HEART (HT) :
-DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL
PROSTATE (PR) :
-INFLAMMATION, ACUTE,-SLIGHT, FOCAL
DEATH COMMENT (DC) :
-UNDETERMINED,-PRESENT

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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DATE AND TIME OF NECROPSY: 09/14/99 10:21 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92216 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 04/28/98 STUDY DAY OF DEATH: 23 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 298.1 GRAMS
DATE AND TIME OF NECROPSY: 04/28/98 8:55 PROSECTOR: STEVE VAN ADESTINE RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TROY ELLENBECKER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	11.8239	3.9664 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RIGHT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; UNVERIFIED AT NECROPSY	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TROY ELLENBECKER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
HEMATO NEOPLASIA (HN)

APPENDIX 6

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3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92217 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/04/99 STUDY DAY OF DEATH: 547 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 1135.5 GRAMS
DATE AND TIME OF NECROPSY: 10/04/99 14:40 PROSECTOR: LYNN HORNER RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 63; 140 X 100MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT, MULTI-FOCAL
	LIVER (LI) : -RAISED FOCUS(I)/AREA(S); LEFT LATERAL LOBE: SINGLE RAISED AREA, 15 X 14 X 7 MM; COLLECTED ON ROUTINE SECTION	LIVER (LI) : -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL, MULTI-FOCAL -B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT
		SKIN (SK) : -B-FIBROMA,-NEOPLASM PRESENT
		HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL
	SPLEEN (SP) : -LARGE; 65 X 19 X 6 MM	SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE, MULTI-FOCAL
		ADRENAL, CORTEX (AC) : -VACUOLATION,-SLIGHT, FOCAL
	PITUITARY (PI) : -LARGE; 6 X 6 X 3 MM, APPEARS SWOLLEN	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
	STOMACH, GL (ST) : -THICKENED WALL; MUCOSA	STOMACH, GL (ST) : >UNREMARKABLE

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92217 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/04/99 STUDY DAY OF DEATH: 547 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 1135.5 GRAMS
DATE AND TIME OF NECROPSY: 10/04/99 14:40 PROSECTOR: LYNN HORNER RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL DEATH COMMENT (DC) : -FIBROMA,-PRESENT
	MAMMARY, MALE (MM) : -MASS(ES); RIGHT ABDOMINAL REGION: 150 X 120 X 75 MM, RED, TAN, AND FIRM; SAME ON CUT SURFACE; PORTIONS COLLECTED; OVERLYING SKIN HAS A DARK RED, DRY, CRUSTED AREA, 50 X 35 MM; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN GENERAL INFORMATION (XX) : >NOTE:>ANIMAL IDENTIFICATION TRANSPONDER NOT FOUND AT NECROPSY DUE TO LARGE MAMMARY GLAND MASS	MAMMARY, MALE (MM) : >TISSUE MISSING >NOTE:>MAMMARY MASS DESCRIBED GROSSLY WAS A SUBCUTANEOUS FIBROMA

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92217 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/04/99 STUDY DAY OF DEATH: 547 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 1135.5 GRAMS
DATE AND TIME OF NECROPSY: 10/04/99 14:40 PROSECTOR: LYNN HORNER RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), LN, MESENTERIC (MS), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92218 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 382.2 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 10:15 PROSECTOR: JARED FISHEL RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: NOT OBSERVED	KIDNEY (KD) :	KIDNEY (KD) :
>APPEARANCE; MISSING; TEETH; VERIFIED AT NECROPSY: OBSERVED	-MASS(ES); RIGHT: SINGLE MASS, 8 X 8 X 4 MM, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (RENAL) NORMAL (CAP 22)	-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-RIGHT; VERIFIED AT NECROPSY: OBSERVED		-MINERALIZATION, PELVIC,-MINIMAL, FOCAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		-M-CARCINOMA, TUBULAR CELL,-NEOPLASM PRESENT
		LIVER (LI) :
		-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
		-DILATATION, VENTRICULAR,-PRESENT
		HEART (HT) :
		-DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL
		-FIBROSIS,-SLIGHT, MULTI-FOCAL
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 15 X 12 X 10 MM, DARK RED, GRAY AND SOFT	-B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) :	STOMACH, GL (ST) :
	-EROSION/ULCERATION; MUCOSA: MULTIPLE DARK BROWN ERODED AREAS, UP TO 4 X 2 MM	-EDEMA,-MODERATE, FOCAL
		-EROSION,-MODERATE, FOCAL

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3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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ANIMAL NUMBER: C92218 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
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DATE AND TIME OF NECROPSY: 04/04/00 10:15 PROSECTOR: JARED FISHEL RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		URINARY BLADDER (UB) : -HYPERPLASIA, TRANSITIONAL CELL,-MODERATE, DIFFUSE PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE, MULTI-FOCAL SEMINAL VESICLES (SV) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT
	FOOT/FOOTPAD (FP) : -CRUSTED AREA(S); RIGHT HINDFOOT: SINGLE DARK RED, CRUSTED AREA, 8 MM IN DIAMETER; COLLECTED	FOOT/FOOTPAD (FP) : -EROSION,-SEVERE, FOCAL -HEMORRHAGE,-MODERATELY SEVERE, FOCAL -INFLAMMATION, ACUTE,-MODERATE, FOCAL MAMMARY, MALE (MM) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL -MINERALIZATION,-MINIMAL, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; LEFT: DRY, RED MATERIAL -ANIMAL THIN -BONE MARROW SMEAR TAKEN -TEETH MISSING/BROKEN/WORN; BILATERAL, UPPER INCISORS: BROKEN AT BASE	

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92218 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 382.2 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 10:15 PROSECTOR: JARED FISHEL RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), EPIDIDYMIDES (EP), LN, RENAL (RL), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92219 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/03/99 STUDY DAY OF DEATH: 607 STUDY WEEK OF DEATH: 87 TERMINAL BODY WEIGHT: 990.3 GRAMS
DATE AND TIME OF NECROPSY: 12/03/99 15:08 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	KIDNEY (KD) :	KIDNEY (KD) :
>SKIN & PELAGE; SORE/SCAB; TAIL-DISTAL; VERIFIED AT NECROPSY: OBSERVED	-LARGE PELVIS(ES); BILATERAL	-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
>BEHAVIOR; OTHER; ANIMAL IS CHEWING ON DISTAL PORTION OF TAIL; VERIFIED AT NECROPSY: NOT APPLICABLE	-DIFFUSELY LIGHT; BILATERAL: TAN	-DILATATION, PELVIC,-PRESENT
	LIVER (LI) :	LIVER (LI) :
	-MOTTLED; ALL LOBES: LIGHT BROWN AND TAN	-DEGENERATION, CYSTIC,-MINIMAL, FOCAL
		-FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-SLIGHT, FOCAL
		PANCREAS (PA) :
		-ATROPHY, ACINAR,-SLIGHT, MULTI-FOCAL
		-PIGMENT,-MINIMAL, MULTI-FOCAL
		THYROID (TY) :
		-CYST, FOLLICULAR,-MODERATE, MULTI-FOCAL
		PARATHYROID (PT) :
		>SECTION EXAMINED; TISSUE NOT PRESENT
		HEART (HT) :
		-DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL
		ADRENAL, CORTEX (AC) :
		-DEGENERATION, CYSTIC, CORTICAL,-SLIGHT, FOCAL
		-HEMORRHAGE,-MODERATE, FOCAL
		PITUITARY (PI) :
		>UNREMARKABLE

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Covance 6329-228
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Individual Anatomic Pathology Data

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DATE AND TIME OF NECROPSY: 12/03/99 15:08 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); RIGHT POSTERIOR ASPECT: SINGLE DARK RED AREA, 1 MM IN DIAMETER	
	STOMACH, GL (ST) : -THICKENED WALL; DIFFUSE	STOMACH, GL (ST) : >UNREMARKABLE
		URINARY BLADDER (UB) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL
	PROSTATE (PR) : -LARGE; 28 X 25 X 10 MM -DIFFUSELY RED; DARK RED	PROSTATE (PR) : >UNREMARKABLE
	SEMINAL VESICLES (SV) : -LARGE; BILATERAL: EACH IS 30 X 15 X 8 MM; BOTH ARE FILLED WITH A DARK RED FLUID	SEMINAL VESICLES (SV) : -EDEMA,-MODERATE, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
		DEATH COMMENT (DC) : -UNDETERMINED,-PRESENT
	TAIL (TI) : -CRUSTED AREA(S); DISTAL ONE THIRD: RED, DARK RED AND TAN INDISTINCT AREAS; COLLECTED	TAIL (TI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -URINARY BLADDER-LARGE LUMEN; UP TO 20 MM IN DIAMETER; FILLED WITH A DARK RED FLUID -ANIMAL OBESE	

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -GI TRACT-DARK FLUID CONTENT; ILEUM, JEJUNUM, CECUM AND COLON: DARK GREEN SEMIFLUID	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92220 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 09/25/99 STUDY DAY OF DEATH: 538 STUDY WEEK OF DEATH: 77 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 09/25/99 14:15 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SEVERE, DIFFUSE LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT
	PARATHYROID (PT) : -LARGE; BILATERAL: EACH IS 1 X 1 X 2 MM	PARATHYROID (PT) : -HYPERPLASIA,-MODERATE, DIFFUSE
		HEART (HT) : -DEGENERATION/NECROSIS,-MODERATE, MULTI-FOCAL -MINERALIZATION,-SLIGHT, MULTI-FOCAL LN, MESENTERIC (MS) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT PITUITARY (PI) : -INFLAMMATION, CHRONIC,-SLIGHT, MULTI-FOCAL STOMACH, GL (ST) : -EROSION,-SLIGHT, FOCAL

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92220 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (D)
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DATE AND TIME OF NECROPSY: 09/25/99 14:15 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN AREAS, UP TO 1 X 3 MM	STOMACH, GL (ST) : -MINERALIZATION,-MODERATELY SEVERE, MULTI-FOCAL
		JEJUNUM (JE) : >AUTOLYTIC
		ILEUM (IL) : >AUTOLYTIC
		CECUM (CE) : >AUTOLYTIC
		COLON (CO) : >AUTOLYTIC
		DEATH COMMENT (DC) : -CHRONIC PROGRESSIVE NEPHROPATHY,-PRESENT
	AORTA (AO) : -LARGE; DIFFUSE: UP TO 5 MM IN DIAMETER (CAP 19) -FIRM; DIFFUSE (CAP 19)	AORTA (AO) : -MINERALIZATION,-MODERATELY SEVERE, MULTI-FOCAL
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; DRY BROWN MATERIAL -AUTOLYSIS-SEVERE -DISCHARGE-OCULAR; LEFT: DRY RED MATERIAL -DISCHARGE-NASAL; DRY RED MATERIAL	

APPENDIX 6

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92220 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 09/25/99 STUDY DAY OF DEATH: 538 STUDY WEEK OF DEATH: 77 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 09/25/99 14:15 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92221 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/10/00 STUDY DAY OF DEATH: 645 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 368.2 GRAMS
DATE AND TIME OF NECROPSY: 01/10/00 12:36 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

KIDNEY (KD) :
-LARGE PELVIS(ES); BILATERAL
-ROUGH SURFACE, DIFFUSE; BILATERAL
-DIFFUSELY LIGHT; BILATERAL: TAN
LIVER (LI) :
-MASS(ES); RIGHT MEDIAN LOBE: SINGLE MASS, 25 X 20 X 15 MM, RED, DARK RED, TAN, AND FIRM; SAME ON CUT SURFACE; COLLECTED ON ROUTINE SECTION; REGIONAL LN (HEPATIC) NORMAL (CAP 19)

HISTOPATHOLOGY

KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-SEVERE, DIFFUSE
LIVER (LI) :
-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
-VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL
-B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT
PARATHYROID (PT) :
-HYPERPLASIA,-MODERATE, DIFFUSE
TESTIS (TE) :
-INFLAMMATION, CHRONIC,-SLIGHT, MULTI-FOCAL
EYE (EY) :
-INFLAMMATION, ACUTE, CORNEAL,-MODERATE, MULTI-FOCAL
-VASCULARIZATION, CORNEAL,-MODERATE, MULTI-FOCAL
HEART (HT) :
-DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92221 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/10/00 STUDY DAY OF DEATH: 645 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 368.2 GRAMS
DATE AND TIME OF NECROPSY: 01/10/00 12:36 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -VACUOLATION,-MINIMAL, MULTI-FOCAL DEATH COMMENT (DC) : -HEPATOCELLULAR ADENOMA,-PRESENT LN, OTHER (LN) : >UNREMARKABLE >NOTE:>HEPATIC LYMPH NODE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92221 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/10/00 STUDY DAY OF DEATH: 645 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 368.2 GRAMS
DATE AND TIME OF NECROPSY: 01/10/00 12:36 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), THYROID (TY), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92222 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 802.3 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 8:35 PROSECTOR: TONY HANFELD RECORDER: PAMELA L. SCHULZ-STUEBER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); DORSAL; WEEK 95; 15 X 10MM ANTERIOR 10 X 10MM POSTERIOR; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL
	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 4 X 3 MM; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL
		PANCREAS (PA) : -ATROPHY, ACINAR,-MINIMAL, MULTI-FOCAL
		THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT -HYPERPLASIA, C-CELL,-MODERATE, FOCAL
	SKIN (SK) : -MASS(ES); DORSAL LUMBAR REGION: TWO MASSES, ONE IS 23 X 17 X 9 MM, THE OTHER IS 12 X 12 X 6 MM; BOTH ARE TAN AND FIRM; BOTH ARE SAME ON CUT SURFACE; BOTH COLLECTED; REGIONAL LN (LUMBAR) NORMAL (CAP 22)	SKIN (SK) : -CYST, EPIDERMAL INCLUSION,-PRESENT -M-CARCINOMA, SQUAMOUS CELL,-NEOPLASM PRESENT
		NERVE, SCIATIC (SN) : >TISSUE MISSING
		HEART (HT) : -DEGENERATION/NECROSIS,-SLIGHT, MULTI-FOCAL -FIBROSIS,-SLIGHT, MULTI-FOCAL

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92222 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 802.3 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 8:35 PROSECTOR: TONY HANFELD RECORDER: PAMELA L. SCHULZ-STUEBER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -VACUOLATION,-MINIMAL, FOCAL
	PITUITARY (PI) : -MASS(ES); 5 X 4 X 3 MM, RED, DARK RED, TAN, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		PROSTATE (PR) : -INFLAMMATION, ACUTE,-SLIGHT, FOCAL
		DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92222 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 802.3 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 8:35 PROSECTOR: TONY HANFELD RECORDER: PAMELA L. SCHULZ-STUEBER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PARATHYROID (PT), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, LUMBAR/ILIAC (LM), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92223 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 656.4 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 8:23 PROSECTOR: WENDY CHERRY RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0314	.0048 %	.0115	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0327	.0050 %	.0119	WEIGHT TAKEN
BRAIN (BR)	2.7369	.4170 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	2.5158	.3833 %	.9192	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	2.4904	.3794 %	.9099	WEIGHT TAKEN
LIVER (LI)	23.3120	3.5515 %	8.5177	WEIGHT TAKEN
LUNG (LU)	2.3498	.3580 %	.8586	WEIGHT TAKEN
SPLEEN (SP)	1.0939	.1667 %	.3997	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.5705	.2393 %	.5738	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.5425	.2350 %	.5636	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0169	.0026 %	.0062	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0186	.0028 %	.0068	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-ANIMAL OBESE
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

KIDNEY (KD) :
-MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
DEATH COMMENT (DC) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92223 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 656.4 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 8:23 PROSECTOR: WENDY CHERRY RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92224 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/21/00 STUDY DAY OF DEATH: 716 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/21/00 8:04 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAWS-HIND; VERIFIED AT NECROPSY: OBSERVED >WART LIKE LESION(S); DORSAL; WEEK 93; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; SWOLLEN; PAWS-HIND; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; BROWN HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED	SKIN (SK) : -CRUSTED AREA(S); DORSAL THORACIC REGION: SINGLE RED, TAN, DRY, FIRM, RAISED AREA, 13 X 6 X 6 MM (CAP 23) ADRENAL, CORTEX (AC) : -RED FOCUS(I)/AREA(S); RIGHT: SINGLE DARK RED AREA, 3 MM IN DIAMETER PITUITARY (PI) : -DIFFUSELY RED; LEFT ANTERIOR ASPECT: SINGLE DARK RED AREA, 2 MM IN DIAMETER	LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL SKIN (SK) : -B-BASAL CELL TUMOR,-NEOPLASM PRESENT HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL -FIBROSIS,-MINIMAL, MULTI-FOCAL ADRENAL, CORTEX (AC) : >UNREMARKABLE ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,- 2 NEOPLASMS PRESENT PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT JEJUNUM (JE) : >AUTOLYTIC

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92224 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/21/00 STUDY DAY OF DEATH: 716 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/21/00 8:04 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		DEATH COMMENT (DC) : -UNDETERMINED,-PRESENT
	FOOT/FOOTPAD (FP) : -ABRASION(S)/ULCERATION(S); BILATERAL, HINDFEET: SINGLE RED, TAN MOIST ABRADED AREA ON EACH, LEFT IS 20 X 15 MM, RIGHT IS 12 X 9 MM; BOTH APPEAR SWOLLEN; BOTH COLLECTED	FOOT/FOOTPAD (FP) : -EDEMA,-MODERATE, MULTI-FOCAL -EROSION,-SEVERE, MULTI-FOCAL -EXOSTOSES,-MODERATE, MULTI-FOCAL -INFLAMMATION, ACUTE,-SEVERE, MULTI-FOCAL
	LN, LUMBAR/ILIAC (LM) : -LARGE; BILATERAL, LUMBAR: EACH IS 13 X 6 X 4 MM (CAP 22)	LN, LUMBAR/ILIAC (LM) : -DILATATION, SINUSOIDAL,-SLIGHT, MULTI-FOCAL
	GENERAL COMMENT (GC) : -STAINS - SKIN/HAIRCOAT; ENTIRE VENTRAL SURFACE: BROWN AND MOIST	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92224 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/21/00 STUDY DAY OF DEATH: 716 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/21/00 8:04 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

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Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92225 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/12/99 STUDY DAY OF DEATH: 494 STUDY WEEK OF DEATH: 71 TERMINAL BODY WEIGHT: 447.4 GRAMS
DATE AND TIME OF NECROPSY: 08/12/99 14:45 PROSECTOR: DENNIS HOFFMAN RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL -VACUOLATION, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL
>SKIN & PELAGE; BROWN HAIR COAT; PERINEAL AREA; VERIFIED AT NECROPSY: OBSERVED		THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
		ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-SLIGHT, FOCAL
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 7 X 8 X 11 MM, SOFT, RED, DARK RED, AND TAN	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
		STOMACH, NONGL (SU) : -EDEMA,-MODERATE, FOCAL

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DATE AND TIME OF NECROPSY: 08/12/99 14:45 PROSECTOR: DENNIS HOFFMAN RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-STAINS-PERINEUM/PERIANAL; DARK BROWN
AND MOIST
-DISCHARGE-OCULAR; DRY RED MATERIAL
-ANIMAL THIN

HISTOPATHOLOGY

DEATH COMMENT (DC) :
-PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92225 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/12/99 STUDY DAY OF DEATH: 494 STUDY WEEK OF DEATH: 71 TERMINAL BODY WEIGHT: 447.4 GRAMS
DATE AND TIME OF NECROPSY: 08/12/99 14:45 PROSECTOR: DENNIS HOFFMAN RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92226 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/27/99 STUDY DAY OF DEATH: 631 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: 496.8 GRAMS
DATE AND TIME OF NECROPSY: 12/27/99 9:56 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED >RESPIRATION; IRREGULAR; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) : -LIGHT FOCUS(I)/AREA(S); AT JUNCTION OF MEDIAN LOBES: SINGLE TAN AREA, 3 X 2 MM (CAP 19) BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) PITUITARY (PI) : -MASS(ES); 14 X 10 X 10 MM, RED, DARK RED, TAN AND SOFT	KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL LIVER (LI) : -DEGENERATION, CYSTIC,-MODERATE, MULTI-FOCAL -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MODERATE, MULTI-FOCAL -LIPIDOSIS, SUBCAPSULAR (TENSION LIPIDOSIS),-MODERATELY SEVERE, FOCAL -VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT LN, MESENTERIC (MS) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL, MULTI-FOCAL PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL

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Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92226 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-STAINS-PERINEUM/PERIANAL; DARK RED AND MOIST
-DISCHARGE-OCULAR; RIGHT: DARK RED AND DRY
-ANIMAL THIN

HISTOPATHOLOGY

DEATH COMMENT (DC) :
-PITUITARY ADENOMA,-PRESENT

APPENDIX 6

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 12/27/99 9:56 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

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Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92227 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/17/00 STUDY DAY OF DEATH: 712 STUDY WEEK OF DEATH: 102 TERMINAL BODY WEIGHT: 630.9 GRAMS
DATE AND TIME OF NECROPSY: 03/17/00 8:00 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED		LUNG (LU) : -INFLAMMATION, CHRONIC,-SLIGHT, FOCAL
>SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE	KIDNEY (KD) : -CYST(S); LEFT, CORTICAL SURFACE: SINGLE CLEAR FLUID FILLED CYST, 5 X 3 X 2 MM	KIDNEY (KD) : -CYST,-MODERATE, FOCAL -DILATATION, PELVIC,-PRESENT -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT, MULTI-FOCAL -PYELONEPHRITIS,-SLIGHT, MULTI-FOCAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		
>BEHAVIOR; COLD TO TOUCH; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) : -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL, MULTI-FOCAL
		THYROID (TY) : -CYST, FOLLICULAR,-MODERATE, MULTI-FOCAL
		BONE, FEMUR (FE) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -INFLAMMATION, CHRONIC,-SLIGHT, MULTI-FOCAL
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
		HEART (HT) : -FIBROSIS,-MINIMAL, MULTI-FOCAL
		THYMUS (TH) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL

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O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 8 MM IN DIAMETER, DARK RED, TAN AND SOFT	PITUITARY (PI) : -CYST,-PRESENT -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -RED FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK RED AREAS, UP TO 12 X 3 MM -THICKENED WALL; DIFFUSE	STOMACH, GL (ST) : -EDEMA,-MODERATE, MULTI-FOCAL -INFLAMMATION, ACUTE,-MODERATE, MULTI-FOCAL
	DUODENUM (DU) : -RED FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK RED AREAS, UP TO 7 X 3 MM; COLLECTED ON ROUTINE SECTION	DUODENUM (DU) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -INFLAMMATION, ACUTE,-MODERATELY SEVERE, MULTI-FOCAL -ULCERATION,-MODERATELY SEVERE, MULTI-FOCAL
	JEJUNUM (JE) : -RED FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK RED AREAS, UP TO 7 X 5 MM; COLLECTED ON ROUTINE SECTION	JEJUNUM (JE) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -INFLAMMATION, ACUTE,-MODERATELY SEVERE, MULTI-FOCAL -ULCERATION,-MODERATELY SEVERE, MULTI-FOCAL
		ILEUM (IL) : -EROSION,-MINIMAL, MULTI-FOCAL -INFLAMMATION, ACUTE,-MINIMAL, MULTI-FOCAL
	CECUM (CE) : -THICKENED WALL; DIFFUSE -RED FOCUS(I)/AREA(S); MUCOSA: SINGLE AREA, 12 X 10 MM	CECUM (CE) : -EDEMA,-MODERATELY SEVERE, MULTI-FOCAL -INFLAMMATION, ACUTE,-MODERATELY SEVERE, MULTI-FOCAL

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CECUM (CE) : -ULCERATION,-MODERATELY SEVERE, MULTI-FOCAL COLON (CO) : -EDEMA,-MINIMAL, FOCAL URINARY BLADDER (UB) : -HYPERPLASIA, TRANSITIONAL CELL,-MINIMAL, DIFFUSE -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE, MULTI-FOCAL DEATH COMMENT (DC) : -ENTERITIS,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92227 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/17/00 STUDY DAY OF DEATH: 712 STUDY WEEK OF DEATH: 102 TERMINAL BODY WEIGHT: 630.9 GRAMS
DATE AND TIME OF NECROPSY: 03/17/00 8:00 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), ILEUM (IL), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), PARATHYROID (PT), TESTIS (TE), SKIN (SK), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), LN, MESENTERIC (MS), SPLEEN (SP), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), RECTUM (RE), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92228 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/25/99 STUDY DAY OF DEATH: 446 STUDY WEEK OF DEATH: 64 TERMINAL BODY WEIGHT: 423.5 GRAMS
DATE AND TIME OF NECROPSY: 06/25/99 10:32 PROSECTOR: JAMES T. CALLEN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE		-DILATATION, VENTRICULAR,-PRESENT
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE	PITUITARY (PI) :	THYMUS (TH) :
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE	-MASS(ES); 13 X 10 X 7 MM, TAN, RED, VASCULAR AND FIRM	>SECTION EXAMINED; TISSUE NOT PRESENT
>SKIN & PELAGE; RED HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED		PITUITARY (PI) :
		-B-ADENOMA,-NEOPLASM PRESENT
		PROSTATE (PR) :
		-INFLAMMATION, ACUTE,-SLIGHT, FOCAL
	GENERAL COMMENT (GC) :	DEATH COMMENT (DC) :
	-BLOOD FILM TAKEN	-PITUITARY ADENOMA,-PRESENT
	-STAINS-PERINEUM/PERIANAL; DRY RED MATERIAL	
	-ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92228 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/25/99 STUDY DAY OF DEATH: 446 STUDY WEEK OF DEATH: 64 TERMINAL BODY WEIGHT: 423.5 GRAMS
DATE AND TIME OF NECROPSY: 06/25/99 10:32 PROSECTOR: JAMES T. CALLEN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92229 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/26/99 STUDY DAY OF DEATH: 600 STUDY WEEK OF DEATH: 86 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/26/99 8:00 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; DORSAL; VERIFIED AT NECROPSY: OBSERVED	KIDNEY (KD) : -LARGE; BILATERAL: EACH IS 33 X 20 X 17 MM LIVER (LI) : -MASS(ES); ATTACHED TO MARGIN OF LEFT LATERAL LOBE: SINGLE MASS, 30 X 25 X 15 MM, DARK RED, TAN AND SOFT; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (HEPATIC) NOT IDENTIFIED THYROID (TY) : -LARGE; BILATERAL: EACH IS 7 X 5 X 4 MM SKIN (SK) : -CRUSTED AREA(S); RIGHT DORSAL LUMBAR REGION: SINGLE TAN AREA, 3 X 2 MM (CAP 19) PITUITARY (PI) : -RAISED AREA(S); RIGHT POSTERIOR ASPECT: SINGLE RED AREA, 3 X 2 X 2 MM	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL LIVER (LI) : -CYST,-PRESENT -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT THYROID (TY) : >UNREMARKABLE SKIN (SK) : -CYST, EPIDERMAL INCLUSION,-PRESENT HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL -FIBROSIS,-MINIMAL, MULTI-FOCAL ADRENAL, CORTEX (AC) : -VACUOLATION,-MINIMAL, MULTI-FOCAL PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT

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3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92229 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/26/99 STUDY DAY OF DEATH: 600 STUDY WEEK OF DEATH: 86 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/26/99 8:00 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ILEUM (IL) : >AUTOLYTIC DEATH COMMENT (DC) : -HEPATOCELLULAR ADENOMA,-PRESENT
	MAMMARY, MALE (MM) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 20 X 15 X 13 MM, DARK RED, RED, TAN AND SOFT; CUT SURFACE EXUDES A LIGHT GREEN SEMIFLUID; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, MALE (MM) : -GALACTOCELE,-SEVERE, MULTI-FOCAL -INFLAMMATION, CHRONIC,-SLIGHT, MULTI-FOCAL

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Covance 6329-228
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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92229 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/26/99 STUDY DAY OF DEATH: 600 STUDY WEEK OF DEATH: 86 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/26/99 8:00 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), PANCREAS (PA), PARATHYROID (PT), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), GENERAL COMMENT (GC), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), PARATHYROID (PT), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92230 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 731.0 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 9:46 PROSECTOR: TODD ACKER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DONIA MEYER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0289	.0040 %	.0123	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0255	.0035 %	.0109	WEIGHT TAKEN
BRAIN (BR)	2.3457	.3209 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	2.6137	.3576 %	1.1143	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	2.5839	.3535 %	1.1015	WEIGHT TAKEN
LIVER (LI)	27.4278	3.7521 %	11.6928	WEIGHT TAKEN
LUNG (LU)	2.3634	.3233 %	1.0075	WEIGHT TAKEN
SPLEEN (SP)	.9887	.1353 %	.4215	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.8038	.2468 %	.7690	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.7845	.2441 %	.7608	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0214	.0029 %	.0091	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0196	.0027 %	.0084	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -MOTTLED; ALL LOBES: RED, BROWN AND TAN GENERAL COMMENT (GC) : -BONE MARROW SMEAR TAKEN	LIVER (LI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -NECROSIS, HEPATOCELLULAR,-MODERATELY SEVERE, MULTI-FOCAL DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92230 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 731.0 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 9:46 PROSECTOR: TODD ACKER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DONIA MEYER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92231 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 801.2 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 8:01 PROSECTOR: JODI THIEREN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; VENTRAL-THORACIC-RIGHT; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL
	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
		PANCREAS (PA) : -ATROPHY, ACINAR,-MINIMAL, FOCAL -HYPERPLASIA, ISLET CELLS,-MODERATE, FOCAL
	SKIN (SK) : -CRUSTED AREA(S); VENTRAL THORACIC REGION: SINGLE RED, DRY CRUSTED AREA, 2 MM IN DIAMETER (CAP 22)	SKIN (SK) : -B-ADENOMA, BASAL CELL,-NEOPLASM PRESENT
		HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL -FIBROSIS,-MINIMAL, MULTI-FOCAL
		ADRENAL, CORTEX (AC) : -HYPERTROPHY,-SLIGHT, FOCAL -VACUOLATION,-SLIGHT, MULTI-FOCAL
		PITUITARY (PI) : -HYPERPLASIA,-MODERATE, MULTI-FOCAL

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3M T-6316.1

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ANIMAL NUMBER: C92231 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 801.2 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 8:01 PROSECTOR: JODI THIEREN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

PROSTATE (PR) :
-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
DEATH COMMENT (DC) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92231 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 801.2 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 8:01 PROSECTOR: JODI THIEREN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), THYROID (TY), PARATHYROID (PT), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92232 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/28/00 STUDY DAY OF DEATH: 694 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: 624.7 GRAMS
DATE AND TIME OF NECROPSY: 02/28/00 13:54 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	KIDNEY (KD) :	KIDNEY (KD) :
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: OBSERVED	-ROUGH SURFACE, DIFFUSE; BILATERAL	-NEPHROPATHY, CHRONIC PROGRESSIVE,-SEVERE, DIFFUSE
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) :	LIVER (LI) :
	-DIFFUSELY LIGHT; ALL LOBES: TAN	-VACUOLATION, HEPATOCELLULAR,-SEVERE, DIFFUSE
		PANCREAS (PA) :
		-ATROPHY, ACINAR,-MINIMAL, FOCAL
		-HYPERTROPHY, VASCULAR,-MODERATE, FOCAL
		THYROID (TY) :
		-CYST, FOLLICULAR,-SLIGHT, MULTI-FOCAL
	TESTIS (TE) :	TESTIS (TE) :
	-SMALL; BILATERAL: EACH IS 17 X 10 X 10 MM	-MINERALIZATION,-MINIMAL, FOCAL
	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	>UNREMARKABLE
		HEART (HT) :
		-DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL
		-FIBROSIS,-MINIMAL, MULTI-FOCAL
	SPLEEN (SP) :	SPLEEN (SP) :
	-ROUGH SURFACE; DIFFUSE	>UNREMARKABLE
		ADRENAL, CORTEX (AC) :
		-DEGENERATION, CYSTIC, CORTICAL,-SLIGHT, FOCAL

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92232 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/28/00 STUDY DAY OF DEATH: 694 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: 624.7 GRAMS
DATE AND TIME OF NECROPSY: 02/28/00 13:54 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -VACUOLATION,-MODERATE, FOCAL
	PITUITARY (PI) : -CYST(S); SINGLE CLEAR FLUID FILLED CYST, 6 MM IN DIAMETER	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -THICKENED WALL; DIFFUSE	STOMACH, GL (ST) : >UNREMARKABLE
	STOMACH, NONGL (SU) : -THICKENED WALL; DIFFUSE -EROSION/ULCERATION; MUCOSA: MULTIPLE TAN ERODED AREAS, UP TO 2 MM IN DIAMETER	STOMACH, NONGL (SU) : -EDEMA,-MINIMAL, FOCAL -INFLAMMATION, ACUTE,-MINIMAL, MULTI-FOCAL
	PROSTATE (PR) : -NODULAR; PROXIMAL, SURROUNDING URETHRA: GREEN AND FIRM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL
		DEATH COMMENT (DC) : -CHRONIC PROGRESSIVE NEPHROPATHY,-PRESENT
		MAMMARY, MALE (MM) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -STAINS-PERINEUM/PERIANAL; PERIANAL: MOIST BROWN MATERIAL -DISCHARGE-NASAL; DRY RED MATERIAL -STAINS - SKIN/HAIRCOAT; INVOLVING ENTIRE HEAD: DRY RED MATERIAL	

APPENDIX 6

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92232 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/28/00 STUDY DAY OF DEATH: 694 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: 624.7 GRAMS
DATE AND TIME OF NECROPSY: 02/28/00 13:54 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), LN, MESENTERIC (MS), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92233 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 373.9 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 10:40 PROSECTOR: DENNIS HOFFMAN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT, MULTI-FOCAL
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) : -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED		PANCREAS (PA) : -ATROPHY, ACINAR,-MINIMAL, FOCAL
		THYROID (TY) : -CYST, FOLLICULAR,-SLIGHT, FOCAL
	TESTIS (TE) : -SMALL; BILATERAL: EACH IS 8 X 9 X 18 MM	TESTIS (TE) : -ATROPHY/DEGENERATION,-MODERATELY SEVERE, MULTI-FOCAL
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
		ADRENAL, CORTEX (AC) : -VACUOLATION,-MINIMAL, MULTI-FOCAL
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 7 X 7 X 9 MM, FIRM, DARK RED AND TAN	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE, MULTI-FOCAL

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92233 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 373.9 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 10:40 PROSECTOR: DENNIS HOFFMAN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT
	MAMMARY, MALE (MM) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 10 X 17 X 26 MM, FIRM, LOBULATED, TAN AND RED; ON SECTION SOME AREAS EXUDE TAN CREAMY SEMIFLUID (CAP 22); REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, MALE (MM) : -GALACTOCELE,-MODERATE, MULTI-FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -STAINS-PERINEUM/PERIANAL; MOIST, YELLOW MATERIAL -ANIMAL THIN -BONE MARROW SMEAR TAKEN	

APPENDIX 6

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92233 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 373.9 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 10:40 PROSECTOR: DENNIS HOFFMAN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92234 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/15/99 STUDY DAY OF DEATH: 589 STUDY WEEK OF DEATH: 85 TERMINAL BODY WEIGHT: 681.0 GRAMS
DATE AND TIME OF NECROPSY: 11/15/99 14:25 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) :
>SKIN & PELAGE; BROWN HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED		-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL LIVER (LI) :
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE		-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL -VACUOLATION, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED		PANCREAS (PA) :
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		-B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT
	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
		THYMUS (TH) :
		-CYST,-PRESENT -HEMORRHAGE,-SLIGHT, FOCAL
		ADRENAL, CORTEX (AC) :
		-VACUOLATION,-MODERATE, FOCAL
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 11 X 5 X 5 MM, RED, TAN AND SOFT	-HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, NONGL (SU) :	STOMACH, NONGL (SU) :
	-THICKENED WALL; DIFFUSE	-EDEMA,-MODERATE, FOCAL -FIBROSIS,-MODERATE, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92234 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/15/99 STUDY DAY OF DEATH: 589 STUDY WEEK OF DEATH: 85 TERMINAL BODY WEIGHT: 681.0 GRAMS
DATE AND TIME OF NECROPSY: 11/15/99 14:25 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: SINGLE TAN ERODED AREA, 4 X 2 MM	STOMACH, NONGL (SU) : -INFLAMMATION, ACUTE,-SLIGHT, FOCAL -ULCERATION,-MODERATELY SEVERE, FOCAL
		DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT
	FOOT/FOOTPAD (FP) : -ABRASION(S)/ULCERATION(S); LEFT HINDFOOT: SINGLE DARK RED, MOIST ABRADED AREA, 16 X 12 MM; COLLECTED	FOOT/FOOTPAD (FP) : -EROSION,-SEVERE, FOCAL -FIBROSIS,-MODERATE, FOCAL -INFLAMMATION, ACUTE,-SEVERE, FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -STAINS-PERINEUM/PERIANAL; YELLOW AND BROWN MATERIAL	

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92234 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/15/99 STUDY DAY OF DEATH: 589 STUDY WEEK OF DEATH: 85 TERMINAL BODY WEIGHT: 681.0 GRAMS
DATE AND TIME OF NECROPSY: 11/15/99 14:25 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92235 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/11/00 STUDY DAY OF DEATH: 677 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 601.3 GRAMS
DATE AND TIME OF NECROPSY: 02/11/00 14:48 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: NOT OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -INFARCT,-MODERATE, FOCAL
>APPEARANCE; SWOLLEN; NOSE; VERIFIED AT NECROPSY: OBSERVED		
>RESPIRATION; AUDIBLE; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) : -RED FOCUS(I)/AREA(S); DIAPHRAGMATIC SURFACE OF LEFT LATERAL LOBE: SINGLE DARK RED AREA, 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION	LIVER (LI) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE		
>SKIN & PELAGE; BROWN HAIR COAT; PERINEAL AREA; VERIFIED AT NECROPSY: OBSERVED	SKIN (SK) : -SUBCUTANEOUS EDEMA; SURROUNDING NARES: SMALL AMOUNT OF CLEAR AND GELATINOUS EDEMA (CAP 20)	SKIN (SK) : -EDEMA,-MODERATE, FOCAL -HEMORRHAGE,-SLIGHT, FOCAL -INFLAMMATION, ACUTE,-MINIMAL, FOCAL
		HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL -FIBROSIS,-MINIMAL, MULTI-FOCAL
		ADRENAL, CORTEX (AC) : -VACUOLATION,-SLIGHT, FOCAL
		PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		RECTUM (RE) : -PARASITISM,-PRESENT

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92235 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/11/00 STUDY DAY OF DEATH: 677 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 601.3 GRAMS
DATE AND TIME OF NECROPSY: 02/11/00 14:48 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL DEATH COMMENT (DC) : -UNDETERMINED,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL (CAP 19) CALVARIUM/SKULL (CA) : -RED FOCUS(I)/AREA(S); ROSTRAL TO EYES: SINGLE DARK RED AREA, 15 X 10 MM; COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -STAINS-PERINEUM/PERIANAL; BROWN, RED AND DRY MATERIAL -DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY	LN, MANDIBULAR (MN) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL CALVARIUM/SKULL (CA) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92235 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/11/00 STUDY DAY OF DEATH: 677 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 601.3 GRAMS
DATE AND TIME OF NECROPSY: 02/11/00 14:48 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

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Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92236 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/20/99 STUDY DAY OF DEATH: 624 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/20/99 8:42 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE >EYES; PALE; EYES; VERIFIED AT NECROPSY: NOT APPLICABLE >RESPIRATION; IRREGULAR; VERIFIED AT NECROPSY: NOT APPLICABLE >APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) PITUITARY (PI) : -MASS(ES); 8 X 7 X 6 MM, DARK RED, GRAY, AND SOFT	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT, MULTI-FOCAL LIVER (LI) : -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL THYROID (TY) : -CYST, FOLLICULAR,-MINIMAL, MULTI-FOCAL EYE (EY) : -INFLAMMATION, ACUTE, CORNEAL,-SLIGHT, MULTI-FOCAL -VASCULARIZATION, CORNEAL,-MODERATE, MULTI-FOCAL BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT PITUITARY (PI) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL ILEUM (IL) : >AUTOLYTIC

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92236 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/20/99 STUDY DAY OF DEATH: 624 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/20/99 8:42 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PROSTATE (PR) : -NODULAR; PROXIMAL SURROUNDING URETHRA: GREEN AND FIRM GENERAL COMMENT (GC) : -DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY -DISCHARGE-NASAL; DARK RED AND DRY	PROSTATE (PR) : >UNREMARKABLE DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92236 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/20/99 STUDY DAY OF DEATH: 624 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/20/99 8:42 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN), MAMMARY, MALE (MM)

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Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92237 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/11/00 STUDY DAY OF DEATH: 706 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: 607.6 GRAMS
DATE AND TIME OF NECROPSY: 03/11/00 15:43 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED		
>DISCHARGE; NASAL; RED IN COLOR; VERIFIED AT NECROPSY: NOT OBSERVED	LIVER (LI) : -MOTTLED; ALL LOBES: DARK RED AND TAN	LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-SEVERE, DIFFUSE
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE		PANCREAS (PA) : -PIGMENT,-MINIMAL, MULTI-FOCAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	PITUITARY (PI) : -MASS(ES); 12 X 8 X 6 MM, DARK RED, RED, TAN AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	STOMACH, GL (ST) : -THICKENED WALL; DIFFUSE	STOMACH, GL (ST) : >UNREMARKABLE
>BEHAVIOR; RECUMBENT; LATERAL; VERIFIED AT NECROPSY: NOT APPLICABLE	STOMACH, NONGL (SU) : -THICKENED WALL; DIFFUSE	STOMACH, NONGL (SU) : -EDEMA,-MINIMAL, FOCAL
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL, MULTI-FOCAL

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3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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DATE AND TIME OF NECROPSY: 03/11/00 15:43 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT
	FOOT/FOOTPAD (FP) : -CRUSTED AREA(S); LEFT HINDFOOT: SINGLE DRY BROWN CRUSTED AREA, 10 MM IN DIAMETER; COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: MOIST DARK BROWN MATERIAL	FOOT/FOOTPAD (FP) : -INFLAMMATION, ACUTE,-MODERATE, FOCAL

APPENDIX 6

Individual Anatomic Pathology Data

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DATE AND TIME OF NECROPSY: 03/11/00 15:43 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92238 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 775.9 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 11:21 PROSECTOR: WENDY CHERRY RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0322	.0042 %	.0133	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0351	.0045 %	.0145	WEIGHT TAKEN
BRAIN (BR)	2.4208	.3120 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	2.4709	.3185 %	1.0207	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	2.4580	.3168 %	1.0154	WEIGHT TAKEN
LIVER (LI)	20.9165	2.6958 %	8.6403	WEIGHT TAKEN
LUNG (LU)	2.0432	.2633 %	.8440	WEIGHT TAKEN
SPLEEN (SP)	1.0204	.1315 %	.4215	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.8447	.2377 %	.7620	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.8528	.2388 %	.7654	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0218	.0028 %	.0090	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0264	.0034 %	.0109	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-ANIMAL OBESE
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

KIDNEY (KD) :
-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
THYROID (TY) :
-CYST, FOLLICULAR,-MODERATE, MULTI-FOCAL
DEATH COMMENT (DC) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), LIVER (LI), PANCREAS (PA), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92239 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 474.3 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 8:17 PROSECTOR: JARED FISHEL RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; BROWN HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) : -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) :	BRAIN (BR) :
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED		HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL -FIBROSIS,-MINIMAL, MULTI-FOCAL
>APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE		THYMUS (TH) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
		ADRENAL, MEDULLA (MA) : -ONE EXAMINED,-PRESENT -B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 10 X 8 X 8 MM, GRAY, RED AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		PROSTATE (PR) : -INFLAMMATION, CHRONIC,-SLIGHT, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92239 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 474.3 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 8:17 PROSECTOR: JARED FISHEL RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT
	FOOT/FOOTPAD (FP) : -CRUSTED AREA(S); LEFT HINDFOOT: SINGLE DARK RED, DRY CRUSTED AREA, 6 MM IN DIAMETER; COLLECTED	FOOT/FOOTPAD (FP) : -FIBROSIS,-MODERATELY SEVERE, FOCAL -INFLAMMATION, ACUTE,-SLIGHT, FOCAL
		HEMATO NEOPLASIA (HN) : -M-LYMPHOMA,-NEOPLASM PRESENT
		MAMMARY, MALE (MM) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL
		LN, MEDIASTINAL (ML) : -DILATATION, SINUSOIDAL,-MODERATE, FOCAL >NOTE:>MEDIASTINAL LYMPH NODE PRESENT ON THYMUS SECTION
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -STAINS-PERINEUM/PERIANAL; EXTENDING TO MID ABDOMINAL REGION: BROWN, DRY MATERIAL -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92239 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 474.3 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 8:17 PROSECTOR: JARED FISHEL RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), LN, MESENTERIC (MS), SPLEEN (SP), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92240 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/04/99 STUDY DAY OF DEATH: 578 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/04/99 13:13 PROSECTOR: CHANESTA ACKER RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-RIGHT; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED FOCI, 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL -VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL
		SKIN (SK) : -B-FIBROMA,-NEOPLASM PRESENT
		SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MINIMAL, MULTI-FOCAL
		ADRENAL, CORTEX (AC) : -VACUOLATION,-MODERATE, MULTI-FOCAL
	PITUITARY (PI) : -LARGE; 6 X 5 X 3 MM; APPEARS SWOLLEN	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		DEATH COMMENT (DC) : -UNDETERMINED,-PRESENT
	FOOT/FOOTPAD (FP) : -CRUSTED AREA(S); RIGHT HINDFOOT: SINGLE DRY, DARK RED CRUSTED AREA, 13 X 8 MM; SURROUNDING TISSUE APPEARS SWOLLEN; COLLECTED	FOOT/FOOTPAD (FP) : -EDEMA,-MODERATE, FOCAL -EROSION,-MODERATELY SEVERE, FOCAL -FIBROSIS,-MODERATELY SEVERE, FOCAL -INFLAMMATION, ACUTE,-MODERATE, FOCAL

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92240 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/04/99 STUDY DAY OF DEATH: 578 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/04/99 13:13 PROSECTOR: CHANESTA ACKER RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, MALE (MM) : -MASS(ES); RIGHT VENTRAL CERVICAL REGION: SINGLE MASS, 30 X 23 X 12 MM, RED, TAN, LOBULATED AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (MANDIBULAR) NORMAL (CAP 19) GENERAL COMMENT (GC) : -ANIMAL OBESE	MAMMARY, MALE (MM) : >TISSUE MISSING >NOTE:>MAMMARY MASS DESCRIBED GROSSLY WAS A SUBCUTANEOUS FIBROMA

APPENDIX 6

Covance 6329-228
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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92240 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/04/99 STUDY DAY OF DEATH: 578 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/04/99 13:13 PROSECTOR: CHANESTA ACKER RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92241 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/10/00 STUDY DAY OF DEATH: 645 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 669.0 GRAMS
DATE AND TIME OF NECROPSY: 01/10/00 12:59 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE	KIDNEY (KD) :	KIDNEY (KD) :
>EYES; RED DISCHARGE; EYE-LEFT; VERIFIED AT NECROPSY: OBSERVED	-LARGE PELVIS(ES); BILATERAL	-INFARCT,-MODERATE, MULTI-FOCAL
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, DIFFUSE
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) :	LIVER (LI) :
	-MOTTLED; ALL LOBES: BROWN AND TAN	-VACUOLATION, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL
		PARATHYROID (PT) :
		-HYPERPLASIA,-SLIGHT, DIFFUSE
		EYE (EY) :
		-INFLAMMATION, ACUTE, CORNEAL,-MINIMAL, MULTI-FOCAL
		-INFLAMMATION, ACUTE, CILIARY,-SLIGHT, MULTI-FOCAL
	HEART (HT) :	HEART (HT) :
	-MASS(ES); TRIMMING COMMENT: WITHIN RIGHT ATRIUM: SINGLE MASS, 3 MM IN DIAMETER, TAN AND FIRM; SUBMITTED WITH ROUTINE SECTION	-DEGENERATION/NECROSIS,-SLIGHT, MULTI-FOCAL
		-FIBROSIS,-SLIGHT, MULTI-FOCAL
		-THROMBUS, ATRIAL,-MODERATELY SEVERE, FOCAL
		ADRENAL, CORTEX (AC) :
		-VACUOLATION,-MINIMAL, FOCAL
	PITUITARY (PI) :	PITUITARY (PI) :
	-RAISED AREA(S); LEFT ANTERIOR ASPECT: SINGLE TAN AREA, 3 X 2 X 2 MM	-B-ADENOMA,-NEOPLASM PRESENT

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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ANIMAL NUMBER: C92241 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/10/00 STUDY DAY OF DEATH: 645 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 669.0 GRAMS
DATE AND TIME OF NECROPSY: 01/10/00 12:59 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL DEATH COMMENT (DC) : -ATRIAL THROMBUS,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: DARK RED; COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; LEFT: DARK RED AND DRY	LN, MANDIBULAR (MN) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 01/10/00 12:59 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), THYROID (TY), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92242 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/14/99 STUDY DAY OF DEATH: 465 STUDY WEEK OF DEATH: 67 TERMINAL BODY WEIGHT: 576.2 GRAMS
DATE AND TIME OF NECROPSY: 07/14/99 15:30 PROSECTOR: WENDY CHERRY RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -PYELONEPHRITIS,-SLIGHT, FOCAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED		LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT
>SKIN & PELAGE; BROWN HAIR COAT; PERINEAL AREA; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	THYMUS (TH) : -CYST,-PRESENT
>RESPIRATION; IRREGULAR; VERIFIED AT NECROPSY: NOT APPLICABLE		PITUITARY (PI) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
>EYES; SQUINTED; PERI-ORBITAL-LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE	PITUITARY (PI) : -MASS(ES); 15 X 10 X 10 MM, DARK RED, TAN AND SOFT	STOMACH, NONGL (SU) : -EDEMA,-MODERATELY SEVERE, DIFFUSE -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -INFLAMMATION, ACUTE,-MODERATE, FOCAL -ULCERATION,-MODERATELY SEVERE, FOCAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: MULTIPLE DARK RED AND TAN ERODED AREAS, UP TO 16 X 7 MM	PROSTATE (PR) : -INFLAMMATION, ACUTE,-SLIGHT, MULTI-FOCAL
	PROSTATE (PR) : -NODULAR; PROXIMAL, SURROUNDING URETHRA: GREEN AND FIRM	SEMINAL VESICLES (SV) : -SECRETION, INCREASED,-PRESENT
	SEMINAL VESICLES (SV) : -GELATINOUS; BILATERAL: CLEAR	

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92242 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/14/99 STUDY DAY OF DEATH: 465 STUDY WEEK OF DEATH: 67 TERMINAL BODY WEIGHT: 576.2 GRAMS
DATE AND TIME OF NECROPSY: 07/14/99 15:30 PROSECTOR: WENDY CHERRY RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-STAINS-PERINEUM/PERIANAL; BROWN AND MOIST

HISTOPATHOLOGY

DEATH COMMENT (DC) :
-PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92242 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/14/99 STUDY DAY OF DEATH: 465 STUDY WEEK OF DEATH: 67 TERMINAL BODY WEIGHT: 576.2 GRAMS
DATE AND TIME OF NECROPSY: 07/14/99 15:30 PROSECTOR: WENDY CHERRY RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92243 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/03/99 STUDY DAY OF DEATH: 485 STUDY WEEK OF DEATH: 70 TERMINAL BODY WEIGHT: 611.3 GRAMS
DATE AND TIME OF NECROPSY: 08/03/99 11:30 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		PANCREAS (PA) : -PIGMENT,-MINIMAL, MULTI-FOCAL
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>SKIN & PELAGE; RED HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED		THYMUS (TH) : -CYST,-PRESENT
>SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT OBSERVED		ADRENAL, CORTEX (AC) : -HYPERTROPHY,-MODERATE, FOCAL -THROMBUS,-MODERATE, MULTI-FOCAL
	PITUITARY (PI) : -MASS(ES); 10 X 9 X 8 MM, RED, DARK RED AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		PROSTATE (PR) : -INFLAMMATION, ACUTE,-SLIGHT, MULTI-FOCAL
		DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -STAINS - SKIN/HAIRCOAT; VENTRAL ABDOMINAL REGION: DRY RED MATERIAL	

APPENDIX 6

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92243 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/03/99 STUDY DAY OF DEATH: 485 STUDY WEEK OF DEATH: 70 TERMINAL BODY WEIGHT: 611.3 GRAMS
DATE AND TIME OF NECROPSY: 08/03/99 11:30 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), LIVER (LI), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

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Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92244 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 07/02/99 STUDY DAY OF DEATH: 453 STUDY WEEK OF DEATH: 65 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 07/02/99 10:20 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED		LUNG (LU) : -INFLAMMATION, CHRONIC,-MODERATELY SEVERE, MULTI-FOCAL HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT DUODENUM (DU) : >AUTOLYTIC JEJUNUM (JE) : >AUTOLYTIC ILEUM (IL) : >AUTOLYTIC CECUM (CE) : >AUTOLYTIC DEATH COMMENT (DC) : -UNDETERMINED,-PRESENT
	FOOT/FOOTPAD (FP) : -CRUSTED AREA(S); LEFT HINDFOOT: SINGLE DARK RED AND DRY CRUSTED AREA, 2 X 1 MM; COLLECTED GENERAL COMMENT (GC) : -DISCHARGE-NASAL; MOIST RED MATERIAL	FOOT/FOOTPAD (FP) : -EROSION,-SLIGHT, FOCAL -INFLAMMATION, ACUTE,-SLIGHT, FOCAL

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92244 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 07/02/99 STUDY DAY OF DEATH: 453 STUDY WEEK OF DEATH: 65 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 07/02/99 10:20 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92245 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/25/99 STUDY DAY OF DEATH: 476 STUDY WEEK OF DEATH: 68 TERMINAL BODY WEIGHT: 482.0 GRAMS
DATE AND TIME OF NECROPSY: 07/25/99 14:27 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL -PYELONEPHRITIS,-MODERATE, MULTI-FOCAL
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -DEPRESSED FOCUS(I)/AREA(S); VISCERAL SURFACE OF RIGHT MEDIAN LOBE: SINGLE TAN AND LINEAR AREA, 12 X 3 MM; COLLECTED ON ROUTINE SECTION	LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-MODERATELY SEVERE, MULTI-FOCAL
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
	ADRENAL, CORTEX (AC) : >NOTE:>TRIMMING COMMENT: ONE ADRENAL MISSING AT TIME OF TRIMMING	ADRENAL, CORTEX (AC) : -ONE EXAMINED,-PRESENT
	ADRENAL, MEDULLA (MA) : >NOTE:>TRIMMING COMMENT: ONE ADRENAL MISSING AT TIME OF TRIMMING	ADRENAL, MEDULLA (MA) : -ONE EXAMINED,-PRESENT
	PITUITARY (PI) : -MASS(ES); 11 X 9 X 8 MM, RED, DARK RED, GRAY, TAN, LOBULATED AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -EROSION/ULCERATION; MUCOSA, NEAR PYLORIC VALVE: SINGLE TAN AND SLIGHTLY ERODED AREA, 3 X 2 MM	STOMACH, GL (ST) : >UNREMARKABLE

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92245 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/25/99 STUDY DAY OF DEATH: 476 STUDY WEEK OF DEATH: 68 TERMINAL BODY WEIGHT: 482.0 GRAMS
DATE AND TIME OF NECROPSY: 07/25/99 14:27 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL, UPPER AND LOWER INCISORS -ANIMAL THIN -STAINS - SKIN/HAIRCOAT; DIFFUSE: YELLOW	

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Covance 6329-228
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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92245 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/25/99 STUDY DAY OF DEATH: 476 STUDY WEEK OF DEATH: 68 TERMINAL BODY WEIGHT: 482.0 GRAMS
DATE AND TIME OF NECROPSY: 07/25/99 14:27 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

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Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92246 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 674.9 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 10:56 PROSECTOR: WENDY CHERRY RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0316	.0047 %	.0133	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0328	.0049 %	.0138	WEIGHT TAKEN
BRAIN (BR)	2.3732	.3516 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	2.1678	.3212 %	.9135	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.9672	.2915 %	.8289	WEIGHT TAKEN
LIVER (LI)	17.2687	2.5587 %	7.2765	WEIGHT TAKEN
LUNG (LU)	2.1696	.3215 %	.9142	WEIGHT TAKEN
SPLEEN (SP)	.9390	.1391 %	.3957	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.7567	.2603 %	.7402	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.7110	.2535 %	.7210	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0161	.0024 %	.0068	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0241	.0036 %	.0102	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-ANIMAL OBESE
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

DEATH COMMENT (DC) :
-SCHEDULED SACRIFICE,-PRESENT

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92246 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 674.9 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 10:56 PROSECTOR: WENDY CHERRY RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92247 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 884.8 GRAMS
DATE AND TIME OF NECROPSY: 04/04/99 8:38 PROSECTOR: TONY HANFELD RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0326	.0037 %	.0119	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0416	.0047 %	.0152	WEIGHT TAKEN
BRAIN (BR)	2.7388	.3095 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	2.8337	.3203 %	1.0347	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	2.7175	.3071 %	.9922	WEIGHT TAKEN
LIVER (LI)	26.2003	2.9612 %	9.5663	WEIGHT TAKEN
LUNG (LU)	2.3746	.2684 %	.8670	WEIGHT TAKEN
SPLEEN (SP)	1.6381	.1851 %	.5981	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.9421	.2195 %	.7091	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.9533	.2208 %	.7132	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0380	.0043 %	.0139	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0382	.0043 %	.0139	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

PITUITARY (PI) :
>NOTE:>TRIMMING COMMENT: NOT FOUND IN WET TISSUE AT TRIMMING

GENERAL COMMENT (GC) :
-ANIMAL OBESE
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

KIDNEY (KD) :
-CAST, PROTEINACEOUS,-SLIGHT, MULTI-FOCAL

PITUITARY (PI) :
>TISSUE MISSING

DEATH COMMENT (DC) :
-SCHEDULED SACRIFICE,-PRESENT

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92247 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 884.8 GRAMS
DATE AND TIME OF NECROPSY: 04/04/99 8:38 PROSECTOR: TONY HANFELD RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92248 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/26/99 STUDY DAY OF DEATH: 477 STUDY WEEK OF DEATH: 69 TERMINAL BODY WEIGHT: 444.3 GRAMS
DATE AND TIME OF NECROPSY: 07/26/99 13:55 PROSECTOR: JILL PAUS RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATELY SEVERE, DIFFUSE
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) :	BRAIN (BR) :
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE	-MASS(ES); SINGLE MASS, 15 X 9 X 8 MM, RED, TAN, SOFT AND LOBULATED	-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		PROSTATE (PR) :
		-INFLAMMATION, CHRONIC-ACTIVE,-MODERATE, MULTI-FOCAL
		SEMINAL VESICLES (SV) :
		-INFLAMMATION, ACUTE,-MODERATELY SEVERE, FOCAL
		DEATH COMMENT (DC) :
		-PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) :	
	-BLOOD FILM TAKEN	
	-ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92248 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/26/99 STUDY DAY OF DEATH: 477 STUDY WEEK OF DEATH: 69 TERMINAL BODY WEIGHT: 444.3 GRAMS
DATE AND TIME OF NECROPSY: 07/26/99 13:55 PROSECTOR: JILL PAUS RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

APPENDIX 6

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92249 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 08/17/99 STUDY DAY OF DEATH: 499 STUDY WEEK OF DEATH: 72 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 08/17/99 14:24 PROSECTOR: TONY HANFELD RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
	LN, MESENTERIC (MS) : >NOTE:>TRIMMING COMMENT: MISSING AT TIME OF TRIMMING	LN, MESENTERIC (MS) : >TISSUE MISSING
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 10 X 6 X 6 MM, RED, DARK RED, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -THICKENED WALL; DIFFUSE	STOMACH, GL (ST) : >UNREMARKABLE
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: MULTIPLE TAN ERODED AREAS, UP TO 3 X 1 MM	STOMACH, NONGL (SU) : -EDEMA,-MODERATELY SEVERE, FOCAL -EROSION,-MODERATE, MULTI-FOCAL -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL, MULTI-FOCAL
		JEJUNUM (JE) : >AUTOLYTIC
		ILEUM (IL) : >AUTOLYTIC
		CECUM (CE) : >AUTOLYTIC

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92249 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 08/17/99 STUDY DAY OF DEATH: 499 STUDY WEEK OF DEATH: 72 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 08/17/99 14:24 PROSECTOR: TONY HANFELD RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT
	FOOT/FOOTPAD (FP) : -ABRASION(S)/ULCERATION(S); LEFT HINDFOOT: SINGLE DARK RED AND TAN ABRADED AREA, 10 X 7 MM; COLLECTED	FOOT/FOOTPAD (FP) : -EROSION,-MODERATE, FOCAL -INFLAMMATION, ACUTE,-SLIGHT, FOCAL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), GENERAL COMMENT (GC), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92250 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/02/00 STUDY DAY OF DEATH: 637 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: 872.9 GRAMS
DATE AND TIME OF NECROPSY: 01/02/00 13:45 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-RIGHT; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT, MULTI-FOCAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) :	LIVER (LI) :
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED	-RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	-VACUOLATION, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL
	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT -HEMORRHAGE,-MODERATE, MULTI-FOCAL
		HEART (HT) :
		-DEGENERATION/NECROSIS,-SLIGHT, MULTI-FOCAL -FIBROSIS,-MINIMAL, MULTI-FOCAL
		ADRENAL, CORTEX (AC) :
		-HYPERTROPHY,-MINIMAL, FOCAL
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); POSTERIOR ASPECT: 10 X 7 X 7 MM, DARK RED AND SOFT	-HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		EPIDIDYMIDES (EP) :
		-GRANULOMA, SPERM,-MODERATE, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92250 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/02/00 STUDY DAY OF DEATH: 637 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: 872.9 GRAMS
DATE AND TIME OF NECROPSY: 01/02/00 13:45 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT
	FOOT/FOOTPAD (FP) : -ABRASION(S)/ULCERATION(S); RIGHT HINDFOOT: SINGLE TAN AND MOIST ABRADED AREA, 3 MM IN DIAMETER; COLLECTED	FOOT/FOOTPAD (FP) : -EDEMA,-MODERATE, FOCAL -EROSION,-MODERATE, FOCAL -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -INFLAMMATION, ACUTE,-SLIGHT, FOCAL
	LN, LUMBAR/ILIAC (LM) : -CYST(S); RIGHT, LUMBAR, INVOLVING ENTIRE NODE: SINGLE CLEAR FLUID FILLED CYST, 18 X 17 X 12 MM (LEFT IS 5 X 4 X 4 MM) (CAP 19)	LN, LUMBAR/ILIAC (LM) : -DILATATION, SINUSOIDAL,-MODERATELY SEVERE, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; RIGHT: DARK RED AND DRY; LEFT EYE (RED DISCHARGE) NOT SEEN AT NECROPSY	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92250 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/02/00 STUDY DAY OF DEATH: 637 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: 872.9 GRAMS
DATE AND TIME OF NECROPSY: 01/02/00 13:45 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), HEMATO NEOPLASIA (HN)

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Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92251 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/08/99 STUDY DAY OF DEATH: 582 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 750.7 GRAMS
DATE AND TIME OF NECROPSY: 11/08/99 14:45 PROSECTOR: TONY HANFELD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 78; 80 X 60MM; VERIFIED AT NECROPSY: OBSERVED		LUNG (LU) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
>SKIN & PELAGE; SORE/SCAB; LATERAL-ABDOMINAL-RIGHT; VERIFIED AT NECROPSY: OBSERVED	KIDNEY (KD) : -DIFFUSELY LIGHT; BILATERAL: TAN	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: NOT OBSERVED		PANCREAS (PA) : -ATROPHY, ACINAR,-SLIGHT, FOCAL -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
>RESPIRATION; IRREGULAR; VERIFIED AT NECROPSY: NOT APPLICABLE		THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
		SKIN (SK) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
		HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL -FIBROSIS,-MINIMAL, MULTI-FOCAL
	ADRENAL, CORTEX (AC) : -MISSING/NOT IDENTIFIED; RIGHT: NOT POSITIVELY IDENTIFIED; POSSIBLE REMNANTS COLLECTED	ADRENAL, CORTEX (AC) : -ONE EXAMINED,-PRESENT

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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ANIMAL NUMBER: C92251 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
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DATE AND TIME OF NECROPSY: 11/08/99 14:45 PROSECTOR: TONY HANFELD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, MEDULLA (MA) : -ONE EXAMINED,-PRESENT
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN AREAS, UP TO 2 X 1 MM	STOMACH, GL (ST) : >UNREMARKABLE
		URINARY BLADDER (UB) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
		PROSTATE (PR) : -INFLAMMATION, ACUTE,-MODERATELY SEVERE, MULTI-FOCAL
		DEATH COMMENT (DC) : -HISTIOCYTIC SARCOMA,-PRESENT
		HEMATO NEOPLASIA (HN) : -M-SARCOMA, HISTIOCYTIC,-NEOPLASM PRESENT
	MAMMARY, MALE (MM) : -MASS(ES); RIGHT VENTRAL ABDOMINAL REGION: SINGLE MASS, 95 X 75 X 46 MM, TAN, RED, DARK RED, LOBULATED AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED; OVERLYING SKIN HAS A SINGLE DRY, DARK RED CRUSTED AREA, 38 X 25 MM; COLLECTED WITH MASS; ADHESIONS ASSOCIATED WITH MASS, PLEASE SEE NOTES (MM)	MAMMARY, MALE (MM) : >TISSUE MISSING >NOTE:>MAMMARY MASS DESCRIBED GROSSLY WAS A SUBCUTANEOUS HISTIOCYTIC SARCOMA

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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ANIMAL NUMBER: C92251 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/08/99 STUDY DAY OF DEATH: 582 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 750.7 GRAMS
DATE AND TIME OF NECROPSY: 11/08/99 14:45 PROSECTOR: TONY HANFELD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, MALE (MM) : >NOTE:>PORTIONS OF MASS ADHERED TO ADIPOSE TISSUE SURROUNDING STOMACH, TESTES AND EPIDIDYMIDES: MULTIPLE TAN FIBROUS ADHESIONS; COLLECTED INTACT WITH MASS GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL OBESE GENERAL INFORMATION (XX) : >NOTE:>ANIMAL IDENTIFICATION TRANSPONDER DAMAGED AT NECROPSY	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE OF DEATH: 11/08/99 STUDY DAY OF DEATH: 582 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 750.7 GRAMS
DATE AND TIME OF NECROPSY: 11/08/99 14:45 PROSECTOR: TONY HANFELD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LIVER (LI), PARATHYROID (PT), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP)

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92252 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 683.0 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 10:51 PROSECTOR: TROY ELLENBECKER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL LIVER (LI) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
	THYROID (TY) : -LARGE; RIGHT: 7 X 5 X 4 MM (LEFT IS 6 X 4 X 3 MM)	THYROID (TY) : -FIBROSIS,-SLIGHT, MULTI-FOCAL -B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL -FIBROSIS,-MINIMAL, MULTI-FOCAL PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -EROSION/ULCERATION; MUCOSA, AT JUNCTION OF GLANDULAR AND NON-GLANDULAR: SINGLE TAN ERODED AREA, 15 X 9 MM; SURROUNDING TISSUE APPEARS THICKENED	STOMACH, GL (ST) : >UNREMARKABLE STOMACH, NONGL (SU) : -EROSION,-MODERATELY SEVERE, FOCAL

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92252 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 683.0 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 10:51 PROSECTOR: TROY ELLENBECKER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		STOMACH, NONGL (SU) : -INFLAMMATION, ACUTE,-SLIGHT, MULTI-FOCAL -B-LEIOMYOMA,-NEOPLASM PRESENT DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92252 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 683.0 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 10:51 PROSECTOR: TROY ELLENBECKER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

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3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92253 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 753.5 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 8:25 PROSECTOR: JAMES T. CALLEN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0239	.0032 %	.0106	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0294	.0039 %	.0131	WEIGHT TAKEN
BRAIN (BR)	2.2490	.2985 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	2.2509	.2987 %	1.0008	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	2.1521	.2856 %	.9569	WEIGHT TAKEN
LIVER (LI)	17.8062	2.3631 %	7.9174	WEIGHT TAKEN
LUNG (LU)	2.0111	.2669 %	.8942	WEIGHT TAKEN
SPLEEN (SP)	1.1340	.1505 %	.5042	WEIGHT TAKEN
LEFT TESTIS (TE0)	2.0998	.2787 %	.9337	WEIGHT TAKEN
RIGHT TESTIS (TE1)	2.1700	.2880 %	.9649	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0184	.0024 %	.0082	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0187	.0025 %	.0083	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

LIVER (LI) :
-LIGHT FOCUS(I)/AREA(S); NEAR MARGIN OF MEDIAN LOBES: SINGLE TAN AREA, 4 X 3 MM (CAP 18)

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

LIVER (LI) :
-LIPIDOSIS, SUBCAPSULAR (TENSION LIPIDOSIS),-MODERATELY SEVERE, FOCAL

HEART (HT) :
-DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL

DEATH COMMENT (DC) :
-SCHEDULED SACRIFICE,-PRESENT

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92254 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/29/99 STUDY DAY OF DEATH: 603 STUDY WEEK OF DEATH: 87 TERMINAL BODY WEIGHT: 443.1 GRAMS
DATE AND TIME OF NECROPSY: 11/29/99 13:18 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-RIGHT; VERIFIED AT NECROPSY: OBSERVED		LUNG (LU) : -FIBROSIS, PLEURAL/SUBPLEURAL,-MINIMAL, FOCAL -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL, FOCAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED	KIDNEY (KD) : -LARGE PELVIS(ES); BILATERAL -ROUGH SURFACE, DIFFUSE; BILATERAL -DIFFUSELY LIGHT; BILATERAL: TAN	KIDNEY (KD) : -DILATATION, PELVIC,-PRESENT -MINERALIZATION,-MODERATE, FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-SEVERE, DIFFUSE -THROMBUS,-MODERATELY SEVERE, FOCAL
>DISCHARGE; NASAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED		PANCREAS (PA) : -PIGMENT,-MINIMAL, MULTI-FOCAL
		THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	TESTIS (TE) : -SMALL; BILATERAL: EACH IS 19 X 12 X 8 MM; BOTH ARE SOFT	TESTIS (TE) : -ATROPHY/DEGENERATION,-MODERATE, MULTI-FOCAL -MINERALIZATION,-MINIMAL, MULTI-FOCAL
	SKIN (SK) : -CRUSTED AREA(S); LEFT LATERAL ABDOMINAL REGION: SINGLE TAN, SLIGHTLY RAISED AREA, 5 MM IN DIAMETER; COLLECTED	SKIN (SK) : -B-FIBROMA,-NEOPLASM PRESENT

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92254 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/29/99 STUDY DAY OF DEATH: 603 STUDY WEEK OF DEATH: 87 TERMINAL BODY WEIGHT: 443.1 GRAMS
DATE AND TIME OF NECROPSY: 11/29/99 13:18 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL -FIBROSIS,-MINIMAL, MULTI-FOCAL LN, MESENTERIC (MS) : -DILATATION, SINUSOIDAL,-SLIGHT, FOCAL -INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT, MULTI-FOCAL ADRENAL, CORTEX (AC) : -VACUOLATION,-MINIMAL, MULTI-FOCAL
	PITUITARY (PI) : -RAISED AREA(S); RIGHT LATERAL ASPECT: SINGLE TAN AREA, 1 MM IN DIAMETER STOMACH, GL (ST) : -LIGHT FOCUS(I)/AREA(S); MUCOSA, NEAR CARDIAC SPHINCTER: SINGLE TAN, RAISED AREA, 1 MM IN DIAMETER STOMACH, NONGL (SU) : -THICKENED WALL; MUCOSA: MULTIPLE TAN THICKENED AREAS, UP TO 5 X 4 MM PROSTATE (PR) : -NODULAR; PROXIMAL, SURROUNDING URETHRA: TAN AND FIRM SEMINAL VESICLES (SV) : -SMALL; BILATERAL: EACH IS 12 X 8 X 2 MM	PITUITARY (PI) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT STOMACH, GL (ST) : >UNREMARKABLE STOMACH, NONGL (SU) : -EDEMA,-MODERATE, FOCAL -EROSION,-MODERATELY SEVERE, FOCAL -INFLAMMATION, ACUTE,-MINIMAL, FOCAL PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE, MULTI-FOCAL SEMINAL VESICLES (SV) : -FIBROSIS,-MODERATE, MULTI-FOCAL -INFLAMMATION, CHRONIC,-SLIGHT, MULTI-FOCAL -PIGMENT,-MODERATE, MULTI-FOCAL

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92254 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/29/99 STUDY DAY OF DEATH: 603 STUDY WEEK OF DEATH: 87 TERMINAL BODY WEIGHT: 443.1 GRAMS
DATE AND TIME OF NECROPSY: 11/29/99 13:18 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		EPIDIDYMIDES (EP) : -HYPOSPERMIA,-PRESENT DEATH COMMENT (DC) : -CHRONIC PROGRESSIVE NEPHROPATHY,-PRESENT
	FOOT/FOOTPAD (FP) : -CRUSTED AREA(S); RIGHT HINDFOOT: SINGLE TAN CRUSTED AREA, 9 MM IN DIAMETER; COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: RED -DISCHARGE-NASAL; BILATERAL: RED -ANIMAL THIN	FOOT/FOOTPAD (FP) : -CYST, KERATIN,-PRESENT -FIBROSIS,-MODERATELY SEVERE, FOCAL -INFLAMMATION, CHRONIC ACTIVE,-MINIMAL, MULTI-FOCAL

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Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92254 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/29/99 STUDY DAY OF DEATH: 603 STUDY WEEK OF DEATH: 87 TERMINAL BODY WEIGHT: 443.1 GRAMS
DATE AND TIME OF NECROPSY: 11/29/99 13:18 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LIVER (LI), PARATHYROID (PT), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), HEMATO NEOPLASIA (HN)

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Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92255 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/07/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 409.0 GRAMS
DATE AND TIME OF NECROPSY: 07/07/98 9:07 PROSECTOR: LYNN HORNER RECORDER: MATTHEW AXTMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	11.6239	2.8420 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RIGHT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92255 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/07/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 409.0 GRAMS
DATE AND TIME OF NECROPSY: 07/07/98 9:07 PROSECTOR: LYNN HORNER RECORDER: MATTHEW AXTMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92256 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/07/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 557.9 GRAMS
DATE AND TIME OF NECROPSY: 07/07/98 8:48 PROSECTOR: LYNN HORNER RECORDER: MATTHEW AXTMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	17.1282	3.0701 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RIGHT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS	

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Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92256 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/07/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 557.9 GRAMS
DATE AND TIME OF NECROPSY: 07/07/98 8:48 PROSECTOR: LYNN HORNER RECORDER: MATTHEW AXTMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92257 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/07/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 491.1 GRAMS
DATE AND TIME OF NECROPSY: 07/07/98 9:08 PROSECTOR: JODI THIEREN RECORDER: MATTHEW AXTMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	13.8818	2.8267 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RIGHT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: NOT APPLICABLE	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92257 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/07/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 491.1 GRAMS
DATE AND TIME OF NECROPSY: 07/07/98 9:08 PROSECTOR: JODI THIEREN RECORDER: MATTHEW AXTMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92258 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/07/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 549.3 GRAMS
DATE AND TIME OF NECROPSY: 07/07/98 9:13 PROSECTOR: LYNN HORNER RECORDER: MATTHEW AXTMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	15.7545	2.8681 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RIGHT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS	

APPENDIX 6

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92258 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
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DATE AND TIME OF NECROPSY: 07/07/98 9:13 PROSECTOR: LYNN HORNER RECORDER: MATTHEW AXTMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92259 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 04/28/98 STUDY DAY OF DEATH: 23 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 343.2 GRAMS
DATE AND TIME OF NECROPSY: 04/28/98 8:34 PROSECTOR: STEVE VAN ADESTINE RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TROY ELLENBECKER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	13.7164	3.9966 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RIGHT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; UNVERIFIED AT NECROPSY	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92259 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 04/28/98 STUDY DAY OF DEATH: 23 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 343.2 GRAMS
DATE AND TIME OF NECROPSY: 04/28/98 8:34 PROSECTOR: STEVE VAN ADESTINE RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TROY ELLENBECKER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92260 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/07/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 501.7 GRAMS
DATE AND TIME OF NECROPSY: 07/07/98 9:19 PROSECTOR: LYNN HORNER RECORDER: MATTHEW AXTMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	14.0868	2.8078 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RIGHT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92260 SEX: MALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/07/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 501.7 GRAMS
DATE AND TIME OF NECROPSY: 07/07/98 9:19 PROSECTOR: LYNN HORNER RECORDER: MATTHEW AXTMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92261 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 775.1 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 8:26 PROSECTOR: DENNIS HOFFMAN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL
	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 4 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : -DEGENERATION, CYSTIC,-SLIGHT, FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
		DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92261 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 775.1 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 8:26 PROSECTOR: DENNIS HOFFMAN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), THYROID (TY), TESTIS (TE), URINARY BLADDER (UB)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92262 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/27/00 STUDY DAY OF DEATH: 722 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: 458.8 GRAMS
DATE AND TIME OF NECROPSY: 03/27/00 9:47 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; DORSAL; VERIFIED AT NECROPSY: OBSERVED		LUNG (LU) :
>SKIN & PELAGE; SORE/SCAB; HEAD-ENTIRE; VERIFIED AT NECROPSY: OBSERVED		-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		-INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT, MULTI-FOCAL
>SKIN & PELAGE; ALOPECIA; VERIFIED AT NECROPSY: OBSERVED	KIDNEY (KD) :	KIDNEY (KD) :
>SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE	-ROUGH SURFACE, DIFFUSE; BILATERAL	-NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATELY SEVERE, DIFFUSE
	-DIFFUSELY LIGHT; BILATERAL: TAN	
	-LARGE; BILATERAL: EACH IS 29 X 18 X 12 MM	
	LIVER (LI) :	LIVER (LI) :
	-DIFFUSELY LIGHT; ALL LOBES: TAN	-DEGENERATION, CYSTIC,-MODERATELY SEVERE, FOCAL
	-MASS(ES); RIGHT MEDIAN AND RIGHT LATERAL LOBES: SINGLE MASS ON EACH, RIGHT MEDIAN IS 30 X 25 X 20 MM, RIGHT LATERAL IS 35 X 20 X 12 MM, BOTH ARE TAN, RED AND VASCULAR, BOTH ARE SAME ON CUT SURFACE; RIGHT MEDIAN COLLECTED ON ROUTINE SECTION, RIGHT LATERAL (CAP 24); REGIONAL LN (SEE HEPATIC)	-HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL, MULTI-FOCAL
		-HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL
		-INFILTRATE, MAST CELLS,-SLIGHT, MULTI-FOCAL
	-LARGE; ALL LOBES: MARGINS APPEAR ROUNDED	-B-ADENOMA, HEPATOCELLULAR,- 2 NEOPLASMS PRESENT
		PANCREAS (PA) :
		-PIGMENT,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92262 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/27/00 STUDY DAY OF DEATH: 722 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: 458.8 GRAMS
DATE AND TIME OF NECROPSY: 03/27/00 9:47 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PARATHYROID (PT) : -LARGE; BILATERAL: EACH IS 1 MM IN DIAMETER	PARATHYROID (PT) : >UNREMARKABLE
	TESTIS (TE) : -SMALL; BILATERAL: EACH IS 17 X 8 X 6 MM; BOTH ARE SOFT	TESTIS (TE) : -ATROPHY/DEGENERATION,-MODERATELY SEVERE, DIFFUSE
	SKIN (SK) : -CRUSTED AREA(S); DORSAL HEAD AND DORSAL THORACIC REGION: MULTIPLE DARK RED, TAN, DRY CRUSTED AREAS, UP TO 5 MM IN DIAMETER (CAP 22) -ALOPECIA-DIFFUSE; (CAP 23)	SKIN (SK) : -INFLAMMATION, ACUTE,-MODERATE, MULTI-FOCAL
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT
	HEART (HT) : -LIGHT FOCUS(I)/AREA(S); EPICARDIUM OF LEFT VENTRICLE: SINGLE GRAY AREA, 4 X 3 MM	HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL
	SPLEEN (SP) : -DEPRESSED FOCUS(I)/AREA(S); CRANIAL END: MULTIPLE LINEAR DEPRESSED AREAS, UP TO 6 X 1 MM	SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MINIMAL, MULTI-FOCAL
	ADRENAL, CORTEX (AC) : -LARGE; BILATERAL: EACH IS 7 MM IN DIAMETER -DIFFUSELY LIGHT; BILATERAL: TAN	ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-MODERATELY SEVERE, FOCAL -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL, MULTI-FOCAL -HEMORRHAGE,-MODERATE, FOCAL -VACUOLATION,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92262 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/27/00 STUDY DAY OF DEATH: 722 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: 458.8 GRAMS
DATE AND TIME OF NECROPSY: 03/27/00 9:47 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 4 MM IN DIAMETER, DARK RED AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN AREAS, UP TO 2 X 1 MM -THICKENED WALL; DIFFUSE	STOMACH, GL (ST) : -MINERALIZATION,-MODERATE, MULTI-FOCAL
	PROSTATE (PR) : -SMALL; 15 X 10 X 4 MM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL
	SEMINAL VESICLES (SV) : -SMALL; BILATERAL: EACH IS 10 X 7 X 2 MM	SEMINAL VESICLES (SV) : >UNREMARKABLE
	EPIDIDYMIDES (EP) : -SMALL; BILATERAL: EACH IS 43 X 5 X 4 MM	EPIDIDYMIDES (EP) : -HYPOSPERMIA,-PRESENT
		DEATH COMMENT (DC) : -HEPATOCELLULAR ADENOMA,-PRESENT
	LN, RENAL (RL) : -LARGE; BILATERAL: LEFT IS 4 X 2 X 2 MM, RIGHT IS 6 X 5 X 2 MM (CAP 26) -DIFFUSELY RED; BILATERAL: DARK RED	LN, RENAL (RL) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL
	LN, OTHER (LN) : -LARGE; HEPATIC: UP TO 5 X 3 X 2 MM (CAP 25)	LN, OTHER (LN) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92262 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/27/00 STUDY DAY OF DEATH: 722 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: 458.8 GRAMS
DATE AND TIME OF NECROPSY: 03/27/00 9:47 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-ANIMAL THIN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), PANCREAS (PA), THYROID (TY), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), LN, MESENTERIC (MS), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
THYROID (TY), LN, MESENTERIC (MS)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92263 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 752.3 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 13:11 PROSECTOR: TROY ELLENBECKER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>WART LIKE LESION(S); TAIL-PROXIMAL; WEEK 64; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -CYST,-SLIGHT, FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATELY SEVERE, DIFFUSE
>EXCRETION; NONFORMED FECES; VERIFIED AT NECROPSY: NOT OBSERVED		LIVER (LI) : -DEGENERATION, CYSTIC,-SLIGHT, FOCAL -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-SLIGHT, FOCAL -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
	PANCREAS (PA) : -MASS(ES); DUODENUM REGION: SINGLE MASS, 15 X 10 X 10 MM, RED, DARK RED, TAN, AND FIRM; SAME ON CUT SURFACE (CAP 22); REGIONAL LN (PANCREATIC) NOT IDENTIFIED	PANCREAS (PA) : -ATROPHY, ACINAR,-MODERATE, MULTI-FOCAL -FIBROSIS,-SLIGHT, MULTI-FOCAL -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT
		THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT
	SPLEEN (SP) : -RAISED FOCUS(I)/AREA(S); PARIETAL SURFACE, ALONG MARGIN: SINGLE RED AREA, 7 X 5 X 4 MM	SPLEEN (SP) : -B-LEIOMYOMA,-NEOPLASM PRESENT

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Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92263 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 752.3 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 13:11 PROSECTOR: TROY ELLENBECKER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT
	TAIL (TI) : -RAISED AREA(S); NEAR BASE: SINGLE DRY, TAN RAISED AREA, 8 X 2 X 1 MM; COLLECTED	TAIL (TI) : -B-PAPILLOMA, SQUAMOUS CELL,-NEOPLASM PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), TESTIS (TE), URINARY BLADDER (UB)

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92264 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 04/28/98 STUDY DAY OF DEATH: 23 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 313.7 GRAMS
DATE AND TIME OF NECROPSY: 04/28/98 8:34 PROSECTOR: MICHELE MARGGI RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TROY ELLENBECKER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	11.7274	3.7384 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RIGHT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; UNVERIFIED AT NECROPSY	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 04/28/98 8:34 PROSECTOR: MICHELE MARGGI RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TROY ELLENBECKER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92265 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/16/99 STUDY DAY OF DEATH: 559 STUDY WEEK OF DEATH: 80 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/16/99 8:38 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LUNG (LU) : -UNCOLLAPSED; ALL LOBES	LUNG (LU) : >UNREMARKABLE
	KIDNEY (KD) : -LARGE PELVIS(ES); BILATERAL -ROUGH SURFACE, DIFFUSE; BILATERAL -DIFFUSELY LIGHT; BILATERAL: TAN -LARGE; BILATERAL: EACH IS 30 X 25 X 21 MM	KIDNEY (KD) : -DILATATION, PELVIC,-PRESENT -NEPHROPATHY, CHRONIC PROGRESSIVE,-SEVERE, DIFFUSE
	LIVER (LI) : -RED FOCUS(I)/AREA(S); VISCERAL SURFACE OF RIGHT MEDIAN LOBE: MULTIPLE DARK RED AREAS, UP TO 4 X 3 MM; COLLECTED ON ROUTINE SECTION	LIVER (LI) : >UNREMARKABLE
	PANCREAS (PA) : -LARGE VESSELS; DIFFUSE, ALONG DUODENUM: UP TO 4 MM IN DIAMETER (CAP 21)	PANCREAS (PA) : -THROMBUS,-SEVERE, MULTI-FOCAL
	PARATHYROID (PT) : -LARGE; LEFT: 3 X 2 X 1 MM (RIGHT IS 1 MM IN DIAMETER)	PARATHYROID (PT) : -HYPERPLASIA,-MODERATELY SEVERE, DIFFUSE
	EYE (EY) : -OPAQUE CORNEA; RIGHT	EYE (EY) : >UNREMARKABLE
		PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -PIGMENT,-MODERATE, FOCAL

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92265 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/16/99 STUDY DAY OF DEATH: 559 STUDY WEEK OF DEATH: 80 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/16/99 8:38 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); TISSUE SURROUNDING MID ASPECT: MULTIPLE DARK RED AREAS, UP TO 2 X 1 MM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE BLACK FOCI, UP TO 4 MM IN DIAMETER	STOMACH, GL (ST) : -EROSION,-MINIMAL, FOCAL
	PROSTATE (PR) : -SMALL; 10 X 8 X 7 MM	PROSTATE (PR) : -INFLAMMATION, ACUTE,-MINIMAL, MULTI-FOCAL
		DEATH COMMENT (DC) : -CHRONIC PROGRESSIVE NEPHROPATHY,-PRESENT
	AORTA (AO) : -LARGE; DIFFUSE: UP TO 6 MM IN DIAMETER -FIRM; DIFFUSE	AORTA (AO) : -MINERALIZATION,-MINIMAL, MULTI-FOCAL
	LN, RENAL (RL) : -LARGE; BILATERAL: LEFT IS 6 X 5 X 5 MM, RIGHT IS 4 X 4 X 3 MM -DIFFUSELY RED; BILATERAL: DARK RED (CAP 19)	LN, RENAL (RL) : -DILATATION, SINUSOIDAL,-MODERATE, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL
	LN, LUMBAR/ILIAC (LM) : -DIFFUSELY DARK; BILATERAL: BLACK (CAP 20)	LN, LUMBAR/ILIAC (LM) : >UNREMARKABLE
	GENERAL COMMENT (GC) : -MALOCCLUSION; BILATERAL, LOWER INCISORS	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92265 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/16/99 STUDY DAY OF DEATH: 559 STUDY WEEK OF DEATH: 80 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/16/99 8:38 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -DISCHARGE-OCULAR; BILATERAL: DRY, RED MATERIAL -DISCHARGE-NASAL; DRY, RED MATERIAL -TEETH MISSING/BROKEN/WORN; BILATERAL, UPPER INCISORS: BROKEN OFF AT BASE	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
THYROID (TY), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
THYROID (TY)

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92266 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 805.1 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 10:54 PROSECTOR: WENDY CHERRY RECORDER: PAMELA L. SCHULZ-STUEBER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>WART LIKE LESION(S); DORSAL; WEEK 76; VERIFIED AT NECROPSY: OBSERVED >WART LIKE LESION(S); VENTRAL-ABDOMINAL; WEEK 92; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
	LIVER (LI) : -LIGHT FOCUS(I)/AREA(S); LEFT LATERAL LOBE: SINGLE TAN AREA, 2 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION	LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MODERATE, FOCAL -VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL
	SKIN (SK) : -CRUSTED AREA(S); MID DORSAL LUMBAR REGION: SINGLE DARK RED AND DRY AREA, 21 X 22 MM; COLLECTED -RAISED AREA(S); MID ABDOMINAL REGION: SINGLE TAN AND RED AREA, 6 X 5 X 5 MM (CAP 22)	SKIN (SK) : -CYST, EPIDERMAL INCLUSION,-PRESENT -EROSION,-SEVERE, FOCAL -INFLAMMATION, ACUTE,-MODERATELY SEVERE, FOCAL -B-FIBROMA,-NEOPLASM PRESENT
		URINARY BLADDER (UB) : -CALCULUS,-PRESENT
		DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92266 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 805.1 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 10:54 PROSECTOR: WENDY CHERRY RECORDER: PAMELA L. SCHULZ-STUEBER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), THYROID (TY), TESTIS (TE)

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92267 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 611.7 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 10:16 PROSECTOR: JAMES T. CALLEN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0250	.0041 %	.0104	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0313	.0051 %	.0130	WEIGHT TAKEN
BRAIN (BR)	2.4148	.3948 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	2.1305	.3483 %	.8823	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	2.1979	.3593 %	.9102	WEIGHT TAKEN
LIVER (LI)	16.2986	2.6645 %	6.7495	WEIGHT TAKEN
LUNG (LU)	2.0076	.3282 %	.8314	WEIGHT TAKEN
SPLEEN (SP)	1.0302	.1684 %	.4266	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.9753	.3229 %	.8180	WEIGHT TAKEN
RIGHT TESTIS (TE1)	2.0027	.3274 %	.8293	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0232	.0038 %	.0096	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0296	.0048 %	.0123	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

DEATH COMMENT (DC) :
-SCHEDULED SACRIFICE,-PRESENT

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Individual Anatomic Pathology Data

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DATE AND TIME OF NECROPSY: 04/07/99 10:16 PROSECTOR: JAMES T. CALLEN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), TESTIS (TE)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92268 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/28/00 STUDY DAY OF DEATH: 694 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: 675.4 GRAMS
DATE AND TIME OF NECROPSY: 02/28/00 13:05 PROSECTOR: DENNIS HOFFMAN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; SCROTUM-RIGHT; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED	KIDNEY (KD) : -ROUGH SURFACE, DIFFUSE; BILATERAL -GRANULAR MATERIAL; BILATERAL, WITHIN PELVIS: MULTIPLE TAN PINPOINT GRANULES SKIN (SK) : -CRUSTED AREA(S); OVERLYING RIGHT SCROTAL SAC: SINGLE TAN CRUSTED AREA, 6 MM IN DIAMETER; COLLECTED (CAP 19) BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) ADRENAL, CORTEX (AC) : -LARGE; LEFT: 6 X 5 X 5 MM (RIGHT IS 5 X 3 X 3 MM) PITUITARY (PI) : -MASS(ES); 10 X 7 X 5 MM, RED, DARK RED, TAN, AND FIRM STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: TWO BROWN AREAS, UP TO 4 X 2 MM	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL LIVER (LI) : -DEGENERATION, CYSTIC,-MODERATELY SEVERE, FOCAL THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT SKIN (SK) : -EDEMA,-MODERATE, FOCAL -EROSION,-MODERATE, FOCAL -INFLAMMATION, ACUTE,-SLIGHT, FOCAL BRAIN (BR) : >UNREMARKABLE ADRENAL, CORTEX (AC) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT STOMACH, GL (ST) : >UNREMARKABLE

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92268 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/28/00 STUDY DAY OF DEATH: 694 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: 675.4 GRAMS
DATE AND TIME OF NECROPSY: 02/28/00 13:05 PROSECTOR: DENNIS HOFFMAN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	URINARY BLADDER (UB) : -DIFFUSELY RED; MUCOSA	URINARY BLADDER (UB) : -HYPERPLASIA, TRANSITIONAL CELL,-MODERATE, DIFFUSE -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), TESTIS (TE)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92269 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 08/24/99 STUDY DAY OF DEATH: 506 STUDY WEEK OF DEATH: 73 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 08/24/99 11:14 PROSECTOR: TONY HANFELD RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,- SLIGHT, MULTI-FOCAL PANCREAS (PA) : -PIGMENT,-MINIMAL, MULTI-FOCAL
	STOMACH, GL (ST) : -THICKENED WALL; DIFFUSE	STOMACH, GL (ST) : >UNREMARKABLE
	GENERAL COMMENT (GC) : -ANIMAL OBESE	DEATH COMMENT (DC) : -UNDETERMINED,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92269 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 08/24/99 STUDY DAY OF DEATH: 506 STUDY WEEK OF DEATH: 73 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 08/24/99 11:14 PROSECTOR: TONY HANFELD RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), LIVER (LI), THYROID (TY), TESTIS (TE)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92270 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 757.2 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 10:06 PROSECTOR: JAMES T. CALLEN RECORDER: PAMELA L. SCHULZ-STUEBER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT, MULTI-FOCAL KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -MINERALIZATION, PELVIC,-MODERATE, FOCAL LIVER (LI) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
	TESTIS (TE) : -SMALL; BILATERAL: EACH IS 20 X 14 X 5 MM; BOTH APPEAR SOFT PITUITARY (PI) : -RED FOCUS(I)/AREA(S); RIGHT ASPECT: SINGLE DARK RED AREA, 4 X 2 MM	TESTIS (TE) : -ATROPHY/DEGENERATION,-SEVERE, DIFFUSE -MINERALIZATION,-SLIGHT, MULTI-FOCAL PITUITARY (PI) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT URINARY BLADDER (UB) : -CALCULUS,-PRESENT DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92270 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 757.2 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 10:06 PROSECTOR: JAMES T. CALLEN RECORDER: PAMELA L. SCHULZ-STUEBER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), THYROID (TY)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92271 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/21/99 STUDY DAY OF DEATH: 625 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/21/99 8:32 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); DORSAL; WEEK 90; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED	LUNG (LU) : -LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN AREAS, UP TO 5 MM IN DIAMETER -ADHESION(S); ALL LOBES TO DIAPHRAGM: MULTIPLE TAN FIBROUS ADHESIONS; COLLECTED INTACT KIDNEY (KD) : -LARGE PELVIS(ES); BILATERAL -ROUGH SURFACE, DIFFUSE; BILATERAL LIVER (LI) : -LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN AREAS, UP TO 6 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS THYROID (TY) : -LARGE; BILATERAL: EACH IS 10 X 5 X 5 MM	LUNG (LU) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT KIDNEY (KD) : -DILATATION, PELVIC,-PRESENT -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, DIFFUSE LIVER (LI) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT PANCREAS (PA) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT THYROID (TY) : >UNREMARKABLE SKIN (SK) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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DATE OF DEATH: 12/21/99 STUDY DAY OF DEATH: 625 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/21/99 8:32 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	SPLEEN (SP) : -LIGHT FOCUS(I)/AREA(S); PARIETAL SURFACE: SINGLE YELLOW AREA, 4 X 3 MM	SPLEEN (SP) : >UNREMARKABLE
	ADRENAL, CORTEX (AC) : -LARGE; LEFT: 10 X 8 X 8 MM (RIGHT IS 7 X 6 X 6 MM)	ADRENAL, CORTEX (AC) : -VACUOLATION,-MODERATE, FOCAL
		ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE BROWN AREAS, UP TO 4 X 3 MM -ADHESION(S); SEROSA ADHERED TO LEFT LATERAL LOBE OF LIVER: MULTIPLE TAN FIBROUS ADHESIONS; COLLECTED INTACT WITH STOMACH	STOMACH, GL (ST) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
		DEATH COMMENT (DC) : -HISTIOCYTIC SARCOMA,-PRESENT
		HEMATO NEOPLASIA (HN) : -M-SARCOMA, HISTIOCYTIC,-NEOPLASM PRESENT
	MAMMARY, MALE (MM) : -MASS(ES); DORSAL LUMBAR REGION: SINGLE MASS, 20 X 15 X 10 MM, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, MALE (MM) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; YELLOW AND MOIST	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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DATE AND TIME OF NECROPSY: 12/21/99 8:32 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -URINARY BLADDER-LARGE LUMEN; 30 X 25 X 20 MM -DISCHARGE-OCULAR; BILATERAL: DARK RED AND MOIST -DISCHARGE-NASAL; DARK RED AND MOIST	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
PANCREAS (PA), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92272 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/16/99 STUDY DAY OF DEATH: 590 STUDY WEEK OF DEATH: 85 TERMINAL BODY WEIGHT: 671.7 GRAMS
DATE AND TIME OF NECROPSY: 11/16/99 10:10 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); HEAD-MAXILLARY-RIGHT; WEEK 74; 30 X 40MM; VERIFIED AT NECROPSY: OBSERVED		LUNG (LU) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL
>SKIN & PELAGE; SORE/SCAB; HEAD-MAXILLARY-RIGHT; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-RIGHT; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 3 X 2 MM; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : >UNREMARKABLE
		SKIN (SK) : -EROSION,-SLIGHT, MULTI-FOCAL -INFLAMMATION, ACUTE,-SLIGHT, MULTI-FOCAL -M-CARCINOMA, SQUAMOUS CELL,-NEOPLASM PRESENT
		MUSCLE, SKELETAL (SM) : -I-SQUAMOUS CELL CARCINOMA,-NEOPLASM PRESENT

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92272 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/16/99 STUDY DAY OF DEATH: 590 STUDY WEEK OF DEATH: 85 TERMINAL BODY WEIGHT: 671.7 GRAMS
DATE AND TIME OF NECROPSY: 11/16/99 10:10 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MUSCLE, SKELETAL (SM) : -MASS(ES); ATTACHED TO RIGHT MANDIBLE, SURROUNDING RIGHT PINNA: SINGLE MASS, 40 X 25 X 20 MM, RED, DARK RED, DRY, AND CRUSTED; ON SECTION, EXUDES A GREEN AND TAN CASEOUS MATERIAL; COLLECTED; REGIONAL LN (MANDIBULAR) NORMAL (CAP 19); OVERLYING SKIN OF MASS HAS A SINGLE DARK RED CRUSTED AREA, 20 X 15 X 7 MM; COLLECTED INTACT WITH MASS	
		DEATH COMMENT (DC) : -SQUAMOUS CELL CARCINOMA,-PRESENT LN, MANDIBULAR (MN) : -HEMORRHAGE,-MINIMAL, FOCAL -HYPERPLASIA, LYMPHOCYTIC,-SLIGHT, MULTI-FOCAL
	FOOT/FOOTPAD (FP) : -ABRASION(S)/ULCERATION(S); RIGHT HINDFOOT: SINGLE DARK RED, MOIST ABRADED AREA, 7 X 6 MM; COLLECTED	FOOT/FOOTPAD (FP) : -EDEMA,-MODERATE, MULTI-FOCAL -EROSION,-MODERATELY SEVERE, MULTI-FOCAL -INFLAMMATION, ACUTE,-MODERATE, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92272 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/16/99 STUDY DAY OF DEATH: 590 STUDY WEEK OF DEATH: 85 TERMINAL BODY WEIGHT: 671.7 GRAMS
DATE AND TIME OF NECROPSY: 11/16/99 10:10 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), THYROID (TY), TESTIS (TE), MAMMARY, MALE (MM)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92273 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/24/99 STUDY DAY OF DEATH: 294 STUDY WEEK OF DEATH: 42 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/24/99 13:23 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
	CECUM (CE) : -THICKENED WALL; MID CECUM	CECUM (CE) : >UNREMARKABLE
		DEATH COMMENT (DC) : -UNDETERMINED,-PRESENT
	GENERAL COMMENT (GC) : -ANIMAL OBESE	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92273 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/24/99 STUDY DAY OF DEATH: 294 STUDY WEEK OF DEATH: 42 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/24/99 13:23 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), LIVER (LI), PANCREAS (PA), THYROID (TY), TESTIS (TE)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92274 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 655.9 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 10:02 PROSECTOR: TONY HANFELD RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0376	.0057 %	.0153	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0272	.0041 %	.0111	WEIGHT TAKEN
BRAIN (BR)	2.4537	.3741 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	2.2200	.3385 %	.9048	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	2.2397	.3415 %	.9128	WEIGHT TAKEN
LIVER (LI)	21.2986	3.2472 %	8.6802	WEIGHT TAKEN
LUNG (LU)	2.0321	.3098 %	.8282	WEIGHT TAKEN
SPLEEN (SP)	1.1591	.1767 %	.4724	WEIGHT TAKEN
LEFT TESTIS (TE0)	2.2539	.3436 %	.9186	WEIGHT TAKEN
RIGHT TESTIS (TE1)	2.2901	.3492 %	.9333	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0236	.0036 %	.0096	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0289	.0044 %	.0118	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-ANIMAL OBESE
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

KIDNEY (KD) :
-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
PANCREAS (PA) :
-PIGMENT,-MINIMAL, MULTI-FOCAL
DEATH COMMENT (DC) :
-SCHEDULED SACRIFICE,-PRESENT

APPENDIX 6

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92274 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 655.9 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 10:02 PROSECTOR: TONY HANFELD RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), LIVER (LI), THYROID (TY), TESTIS (TE)

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92275 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/27/00 STUDY DAY OF DEATH: 722 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: 417.5 GRAMS
DATE AND TIME OF NECROPSY: 03/27/00 15:29 PROSECTOR: JERALD W. JOHNSON RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED	LUNG (LU) :	LUNG (LU) :
>SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE	-ADHESION(S); ALL LOBES TO EACH OTHER AND PLEURA: MULTIPLE GREY AND FIBROUS ADHESIONS; COLLECTED INTACT	-FIBROSIS, PLEURAL/SUBPLEURAL,-MODERATE, MULTI-FOCAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	-DIFFUSELY RED; ALL LOBES: DARK RED	
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE	KIDNEY (KD) :	KIDNEY (KD) :
	-ROUGH SURFACE, DIFFUSE; BILATERAL	-CYST,-MODERATE, MULTI-FOCAL
	-CYST(S); BILATERAL, CORTEX EXTENDING INTO MEDULLA: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 5 MM IN DIAMETER	-NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATELY SEVERE, DIFFUSE
		LIVER (LI) :
		-FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MODERATE, FOCAL
		-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
	PANCREAS (PA) :	PANCREAS (PA) :
	-LARGE VESSELS; DIFFUSE: UP TO 3 MM IN DIAMETER (CAP 22)	-ATROPHY, ACINAR,-SLIGHT, FOCAL
		-HYPERTROPHY, VASCULAR,-MODERATELY SEVERE, MULTI-FOCAL
		-INFLAMMATION, VASCULAR,-SLIGHT, MULTI-FOCAL
	PARATHYROID (PT) :	PARATHYROID (PT) :
	-LARGE; BILATERAL: EACH IS 1 MM IN DIAMETER	-HYPERPLASIA,-SLIGHT, DIFFUSE

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3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92275 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/27/00 STUDY DAY OF DEATH: 722 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: 417.5 GRAMS
DATE AND TIME OF NECROPSY: 03/27/00 15:29 PROSECTOR: JERALD W. JOHNSON RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		TESTIS (TE) : -ATROPHY/DEGENERATION,-SLIGHT, FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
	LN, MESENTERIC (MS) : -LARGE; PROXIMAL TO CECUM: UP TO 9 X 5 X 5 MM (CAP 24)	LN, MESENTERIC (MS) : >UNREMARKABLE
	SPLEEN (SP) : -MASS(ES); CRANIAL END: SINGLE MASS, 9 MM IN DIAMETER, RED, TAN, AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (PANCREATIC) NOT IDENTIFIED	SPLEEN (SP) : -THROMBUS,-MODERATELY SEVERE, FOCAL
	PITUITARY (PI) : -MASS(ES); 8 X 6 X 5 MM, RED, DARK RED, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	PROSTATE (PR) : -NODULAR; PROXIMAL TO URETHRA: TAN, GREEN AND FIRM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL, MULTI-FOCAL
		DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT
	LN, ANT MES/PANC (AP) : -LARGE; ANTERIOR MESENTERIC: UP TO 5 X 3 X 2 MM (CAP 23)	LN, ANT MES/PANC (AP) : -DILATATION, SINUSOIDAL,-MODERATE, MULTI-FOCAL -INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92275 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/27/00 STUDY DAY OF DEATH: 722 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: 417.5 GRAMS
DATE AND TIME OF NECROPSY: 03/27/00 15:29 PROSECTOR: JERALD W. JOHNSON RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN

- - - -

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92276 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 08/28/99 STUDY DAY OF DEATH: 510 STUDY WEEK OF DEATH: 73 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 08/28/99 7:53 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; RED HAIR COAT; DORSAL-CERVICAL-RIGHT; VERIFIED AT NECROPSY: NOT OBSERVED	LUNG (LU) : -UNCOLLAPSED; ALL LOBES KIDNEY (KD) : -ROUGH SURFACE, DIFFUSE; BILATERAL -DIFFUSELY LIGHT; BILATERAL: TAN GENERAL COMMENT (GC) : -DISCHARGE-OCULAR; BILATERAL: DRY BROWN MATERIAL -ANIMAL THIN -DISCHARGE-ORAL; DRY BROWN MATERIAL	LUNG (LU) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -MINERALIZATION,-SLIGHT, FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-SEVERE, DIFFUSE TESTIS (TE) : -ATROPHY/DEGENERATION,-MODERATELY SEVERE, DIFFUSE DEATH COMMENT (DC) : -CHRONIC PROGRESSIVE NEPHROPATHY,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92276 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 08/28/99 STUDY DAY OF DEATH: 510 STUDY WEEK OF DEATH: 73 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 08/28/99 7:53 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LIVER (LI), PANCREAS (PA), THYROID (TY)

APPENDIX 6

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92277 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/25/99 STUDY DAY OF DEATH: 415 STUDY WEEK OF DEATH: 60 TERMINAL BODY WEIGHT: 595.0 GRAMS
DATE AND TIME OF NECROPSY: 05/25/99 13:14 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL
>SKIN & PELAGE; BROWN HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: NOT OBSERVED		PANCREAS (PA) : -PIGMENT,-MINIMAL, MULTI-FOCAL
>BEHAVIOR; RECUMBENT; STERNAL; VERIFIED AT NECROPSY: NOT APPLICABLE		THYROID (TY) : -HYPERPLASIA, C-CELL,-MODERATE, FOCAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
	PITUITARY (PI) : -MASS(ES); 12 X 10 X 8 MM, RED, DARK RED, GREY, TAN AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -LIGHT FOCUS(I)/AREA(S); MUCOSA: MULTIPLE GREY AREAS, UP TO 4 X 3 MM	STOMACH, GL (ST) : >UNREMARKABLE
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA, NEAR CARDIAC VALVE: SINGLE DARK RED ERODED AREA, 5 X 4 X 3 MM; SURROUNDING TISSUE APPEARS SWOLLEN	STOMACH, NONGL (SU) : -EDEMA,-MODERATELY SEVERE, DIFFUSE -EROSION,-MODERATELY SEVERE, FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -INFLAMMATION, ACUTE,-MODERATE, MULTI-FOCAL
		DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92277 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/25/99 STUDY DAY OF DEATH: 415 STUDY WEEK OF DEATH: 60 TERMINAL BODY WEIGHT: 595.0 GRAMS
DATE AND TIME OF NECROPSY: 05/25/99 13:14 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS | NECROPSY | HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), LIVER (LI)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92278 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 793.9 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 11:03 PROSECTOR: JODI THIEREN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; NONFORMED FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS LN, MESENTERIC (MS) : -DIFFUSELY RED; DARK RED -LARGE; UP TO 7 MM IN DIAMETER SPLEEN (SP) : -RAISED FOCUS(I)/AREA(S); PARIETAL SURFACE: SINGLE DARK RED, TAN RAISED AREA, 8 X 7 X 7 MM PITUITARY (PI) : -RED FOCUS(I)/AREA(S); MID ASPECT: SINGLE RED AREA, 3 X 2 MM	LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MODERATE, FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL LN, MESENTERIC (MS) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -N-HEMANGIOSARCOMA,-NEOPLASM PRESENT SPLEEN (SP) : -M-HEMANGIOSARCOMA,-NEOPLASM PRESENT PITUITARY (PI) : -CYST,-PRESENT -B-ADENOMA,-NEOPLASM PRESENT URINARY BLADDER (UB) : -CALCULUS,-PRESENT DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92278 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 793.9 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 11:03 PROSECTOR: JODI THIEREN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), THYROID (TY), TESTIS (TE)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92279 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/13/99 STUDY DAY OF DEATH: 617 STUDY WEEK OF DEATH: 89 TERMINAL BODY WEIGHT: 539.1 GRAMS
DATE AND TIME OF NECROPSY: 12/13/99 16:00 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	KIDNEY (KD) :	KIDNEY (KD) :
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	-LARGE PELVIS(ES); LEFT	-DILATATION, PELVIC,-PRESENT
>APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE		-MINERALIZATION, PELVIC,-MODERATE, FOCAL
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 11 X 10 X 8 MM, DARK RED, GREY AND SOFT	-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
	PROSTATE (PR) :	-B-ADENOMA,-NEOPLASM PRESENT
	-NODULAR; PROXIMAL, SURROUNDING URETHRA: GREEN AND FIRM	PROSTATE (PR) :
	EPIDIDYMIDES (EP) :	-INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL
	-MASS(ES); ATTACHED TO CAUDAL END OF RIGHT: SINGLE GREEN AND SOFT MASS, 8 X 5 X 5 MM; ON SECTION EXUDES A TAN CASEOUS MATERIAL; COLLECTED INTACT; REGIONAL LN (SEE LUMBAR)	EPIDIDYMIDES (EP) :
		-GRANULOMA, SPERM,-SEVERE, FOCAL
		-INFLAMMATION, CHRONIC,-SLIGHT, MULTI-FOCAL
		DEATH COMMENT (DC) :
		-PITUITARY ADENOMA,-PRESENT
	LN, LUMBAR/ILIAC (LM) :	LN, LUMBAR/ILIAC (LM) :
	-LARGE; RIGHT: 6 X 5 X 2 MM (LEFT IS 5 X 4 X 2 MM) (CAP 19)	-DILATATION, SINUSOIDAL,-SLIGHT, MULTI-FOCAL
	GENERAL COMMENT (GC) :	
	-BLOOD FILM TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92279 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/13/99 STUDY DAY OF DEATH: 617 STUDY WEEK OF DEATH: 89 TERMINAL BODY WEIGHT: 539.1 GRAMS
DATE AND TIME OF NECROPSY: 12/13/99 16:00 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), LIVER (LI), PANCREAS (PA), THYROID (TY), SKIN (SK), MAMMARY, MALE (MM)

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Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92280 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 04/28/98 STUDY DAY OF DEATH: 23 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 306.1 GRAMS
DATE AND TIME OF NECROPSY: 04/28/98 8:29 PROSECTOR: MICHELE MARGGI RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TROY ELLENBECKER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	12.3496	4.0345 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RIGHT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; UNVERIFIED AT NECROPSY	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS	

APPENDIX 6

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92280 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 04/28/98 STUDY DAY OF DEATH: 23 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 306.1 GRAMS
DATE AND TIME OF NECROPSY: 04/28/98 8:29 PROSECTOR: MICHELE MARGGI RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TROY ELLENBECKER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92281 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 671.4 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 9:39 PROSECTOR: JAMES T. CALLEN RECORDER: PAMELA L. SCHULZ-STUEBER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -INFARCT,-MODERATE, FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT, MULTI-FOCAL LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MODERATE, MULTI-FOCAL -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MODERATE, MULTI-FOCAL -VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); RIGHT ASPECT: SINGLE DARK RED FOCUS, 3 MM IN DIAMETER	PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: SINGLE BROWN AREA, LESS THAN 1 MM IN DIAMETER	STOMACH, GL (ST) : >UNREMARKABLE
		URINARY BLADDER (UB) : -CALCULUS,-PRESENT DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT

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3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92281 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 671.4 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 9:39 PROSECTOR: JAMES T. CALLEN RECORDER: PAMELA L. SCHULZ-STUEBER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS | NECROPSY | HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), THYROID (TY), TESTIS (TE)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92282 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 568.4 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 12:39 PROSECTOR: TROY ELLENBECKER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE >EXCRETION; NONFORMED FECES; VERIFIED AT NECROPSY: NOT APPLICABLE >WART LIKE LESION(S); LIMB-FRONT-RIGHT; WEEK 105; VERIFIED AT NECROPSY: OBSERVED	SKIN (SK) : -CRUSTED AREA(S); RIGHT FRONT SHOULDER: SINGLE TAN RAISED AREA, 4 X 3 X 2 MM (CAP 22) LN, MESENTERIC (MS) : -DIFFUSELY RED STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: SINGLE TAN ERODED AREA, 3 MM IN DIAMETER; SURROUNDING TISSUE APPEARS SWOLLEN GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL SKIN (SK) : -B-ADENOMA, BASAL CELL,-NEOPLASM PRESENT LN, MESENTERIC (MS) : >UNREMARKABLE STOMACH, NONGL (SU) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE, MULTI-FOCAL -M-CARCINOMA, SQUAMOUS CELL,-NEOPLASM PRESENT URINARY BLADDER (UB) : -CALCULUS,-PRESENT DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92282 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 568.4 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 12:39 PROSECTOR: TROY ELLENBECKER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), LIVER (LI), PANCREAS (PA), THYROID (TY), TESTIS (TE)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92283 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 683.7 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 8:04 PROSECTOR: TONY HANFELD RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>WART LIKE LESION(S); TAIL-MID; WEEK 101; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, FOCAL -INFARCT,-MINIMAL, FOCAL
	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 4 X 3 MM; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : >UNREMARKABLE
		PANCREAS (PA) : -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -THICKENED WALL; DIFFUSE	STOMACH, GL (ST) : >UNREMARKABLE
		URINARY BLADDER (UB) : -CALCULUS,-PRESENT
		DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT
	TAIL (TI) : -RAISED AREA(S); 80 MM FROM TIP: SINGLE TAN RAISED AREA, 4 X 3 X 2 MM; COLLECTED	TAIL (TI) : -CYST, EPIDERMAL INCLUSION,-PRESENT
	LN, ANT MES/PANC (AP) : -LARGE; UP TO 6 X 4 X 4 MM (CAP 22)	LN, ANT MES/PANC (AP) : >TISSUE MISSING >NOTE:>PANCREATIC LYMPH NODE DESCRIBED GROSSLY WAS A ISLET CELL ADENOMA OF THE PANCREAS

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 04/04/00 8:04 PROSECTOR: TONY HANFELD RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS | NECROPSY | HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), THYROID (TY), TESTIS (TE)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92284 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 04/28/98 STUDY DAY OF DEATH: 23 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 320.0 GRAMS
DATE AND TIME OF NECROPSY: 04/29/98 8:30 PROSECTOR: STEVE VAN ADESTINE RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TROY ELLENBECKER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	11.1979	3.4993 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RIGHT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; UNVERIFIED AT NECROPSY	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92284 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
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DATE AND TIME OF NECROPSY: 04/29/98 8:30 PROSECTOR: STEVE VAN ADESTINE RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TROY ELLENBECKER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

APPENDIX 6

Covance 6329-228
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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92285 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/14/99 STUDY DAY OF DEATH: 527 STUDY WEEK OF DEATH: 76 TERMINAL BODY WEIGHT: 671.2 GRAMS
DATE AND TIME OF NECROPSY: 09/14/99 11:53 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE >BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE >EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) HEART (HT) : -LIGHT FOCUS(I)/AREA(S); EPICARDIUM OF BOTH VENTRICLES: MULTIPLE INDISTINCT GREY AREAS PITUITARY (PI) : -MASS(ES); 7 MM IN DIAMETER, RED, DARK RED, TAN AND SOFT PROSTATE (PR) : -LARGE; 40 X 25 X 10 MM SEMINAL VESICLES (SV) : -LARGE; RIGHT: 38 X 20 X 8 MM (LEFT IS 25 X 15 X 4 MM) LN, LUMBAR/ILIAC (LM) : -LARGE; LEFT: 13 X 6 X 5 MM (RIGHT IS 5 X 3 X 2 MM); BOTH APPEAR CYSTIC (CAP 19)	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATELY SEVERE, MULTI-FOCAL BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT HEART (HT) : >UNREMARKABLE PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE, MULTI-FOCAL SEMINAL VESICLES (SV) : -SECRETION, INCREASED,-PRESENT DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT LN, LUMBAR/ILIAC (LM) : -DILATATION, SINUSOIDAL,-MODERATELY SEVERE, MULTI-FOCAL

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Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN

- - - -

APPENDIX 6

Covance 6329-228
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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92286 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 771.0 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 8:02 PROSECTOR: JAMES T. CALLEN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0266	.0035 %	.0117	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0234	.0030 %	.0103	WEIGHT TAKEN
BRAIN (BR)	2.2692	.2943 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	2.5875	.3356 %	1.1403	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	2.5622	.3323 %	1.1291	WEIGHT TAKEN
LIVER (LI)	21.6521	2.8083 %	9.5417	WEIGHT TAKEN
LUNG (LU)	1.8660	.2420 %	.8223	WEIGHT TAKEN
SPLEEN (SP)	1.0195	.1322 %	.4493	WEIGHT TAKEN
LEFT TESTIS (TE0)	.7475	.0970 %	.3294	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.9291	.2502 %	.8501	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0175	.0023 %	.0077	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0214	.0028 %	.0094	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

KIDNEY (KD) :
-LARGE PELVIS(ES); BILATERAL

HISTOPATHOLOGY

KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
LIVER (LI) :
-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
-VACUOLATION, HEPATOCELLULAR,-SLIGHT, FOCAL
-B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT
THYROID (TY) :
-CYST, FOLLICULAR,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: JARED FISHEL

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	TESTIS (TE) : -SMALL; LEFT: 21 X 10 X 4 MM (FOR COMPARISON RIGHT IS 26 X 12 X 7 MM) GENERAL COMMENT (GC) : -BONE MARROW SMEAR TAKEN	TESTIS (TE) : -ATROPHY/DEGENERATION,-SEVERE, DIFFUSE >NOTE:>LEFT TESTIS DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92287 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 719.9 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 10:16 PROSECTOR: WENDY CHERRY RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0348	.0048 %	.0151	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0259	.0036 %	.0113	WEIGHT TAKEN
BRAIN (BR)	2.2991	.3194 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.9967	.2774 %	.8685	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.9629	.2727 %	.8538	WEIGHT TAKEN
LIVER (LI)	22.1931	3.0828 %	9.6530	WEIGHT TAKEN
LUNG (LU)	2.0899	.2903 %	.9090	WEIGHT TAKEN
SPLEEN (SP)	1.0159	.1411 %	.4419	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.5601	.2167 %	.6786	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.5601	.2167 %	.6786	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0259	.0036 %	.0113	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0265	.0037 %	.0115	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LUNG (LU) :
-INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT, FOCAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
LIVER (LI) :
-VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL
DEATH COMMENT (DC) :
-SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-ANIMAL OBESE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92287 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
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DATE AND TIME OF NECROPSY: 04/07/99 10:16 PROSECTOR: WENDY CHERRY RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: JARED FISHEL

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS | NECROPSY | HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), THYROID (TY), TESTIS (TE)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92288 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 853.2 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 10:03 PROSECTOR: MONTI THOMAS MAGUIRE RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DONIA MEYER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0402	.0047 %	.0164	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0302	.0035 %	.0123	WEIGHT TAKEN
BRAIN (BR)	2.4494	.2871 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	2.1246	.2490 %	.8674	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	2.2139	.2595 %	.9039	WEIGHT TAKEN
LIVER (LI)	20.9207	2.4520 %	8.5412	WEIGHT TAKEN
LUNG (LU)	1.6636	.1950 %	.6792	WEIGHT TAKEN
SPLEEN (SP)	1.0951	.1284 %	.4471	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.7259	.2023 %	.7046	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.8021	.2112 %	.7357	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0253	.0030 %	.0103	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0203	.0024 %	.0083	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-ANIMAL OBESE
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

KIDNEY (KD) :
-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
DEATH COMMENT (DC) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92288 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 853.2 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 10:03 PROSECTOR: MONTI THOMAS MAGUIRE RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DONIA MEYER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), LIVER (LI), PANCREAS (PA), THYROID (TY), TESTIS (TE)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92289 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 525.8 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 11:41 PROSECTOR: DENNIS HOFFMAN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; BROWN HAIR COAT; PERINEAL AREA; VERIFIED AT NECROPSY: NOT OBSERVED	KIDNEY (KD) :	KIDNEY (KD) :
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	-LARGE PELVIS(ES); BILATERAL	-CYST,-SLIGHT, MULTI-FOCAL
	-ROUGH SURFACE, DIFFUSE; BILATERAL	-DILATATION, PELVIC,-PRESENT
	-DIFFUSELY LIGHT; BILATERAL: TAN	-NEPHROPATHY, CHRONIC PROGRESSIVE,-SEVERE, DIFFUSE
	-LARGE; BILATERAL: EACH IS 14 X 18 X 28 MM	LIVER (LI) :
		-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
		TESTIS (TE) :
		-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
		DEATH COMMENT (DC) :
		-SCHEDULED SACRIFICE,-PRESENT
	LN, AXILLARY (AX) :	LN, AXILLARY (AX) :
	-LARGE; BILATERAL: LEFT IS 2 X 5 X 14 MM, RIGHT IS 3 X 4 X 10 MM (CAP 22)	-HEMORRHAGE,-MODERATE, MULTI-FOCAL
	-MOTTLED; BILATERAL: RED, DARK RED AND TAN	-INFILTRATE, MACROPHAGE, VACUOLATED,-SLIGHT, MULTI-FOCAL
	LN, RENAL (RL) :	LN, RENAL (RL) :
	-LARGE; BILATERAL: LEFT IS 5 X 5 X 8 MM, RIGHT IS 6 X 7 X 14 MM (CAP 23)	-DILATATION, SINUSOIDAL,-MODERATELY SEVERE, MULTI-FOCAL
	-DIFFUSELY RED; BILATERAL: DARK RED	-FIBROSIS,-SLIGHT, MULTI-FOCAL
		-HEMORRHAGE,-SLIGHT, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92289 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
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DATE AND TIME OF NECROPSY: 04/04/00 11:41 PROSECTOR: DENNIS HOFFMAN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-STAINS-PERINEUM/PERIANAL; BROWN
-ANIMAL THIN
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), THYROID (TY), URINARY BLADDER (UB)

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92290 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/17/99 STUDY DAY OF DEATH: 438 STUDY WEEK OF DEATH: 63 TERMINAL BODY WEIGHT: 360.2 GRAMS
DATE AND TIME OF NECROPSY: 06/17/99 14:57 PROSECTOR: JAMES T. CALLEN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) :
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE	-COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) :
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE	PITUITARY (PI) :	-COMPRESSION, VENTRAL,-PRESENT
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	-MASS(ES); 12 X 9 X 7 MM, RED, DARK RED, TAN, LOBULATED AND FIRM	PITUITARY (PI) :
>RESPIRATION; IRREGULAR; VERIFIED AT NECROPSY: NOT APPLICABLE	GENERAL COMMENT (GC) :	-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE	-BLOOD FILM TAKEN	-B-ADENOMA,-NEOPLASM PRESENT
	-ANIMAL THIN	DEATH COMMENT (DC) :
		-PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92290 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/17/99 STUDY DAY OF DEATH: 438 STUDY WEEK OF DEATH: 63 TERMINAL BODY WEIGHT: 360.2 GRAMS
DATE AND TIME OF NECROPSY: 06/17/99 14:57 PROSECTOR: JAMES T. CALLEN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), LIVER (LI), PANCREAS (PA), THYROID (TY), TESTIS (TE)

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Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92291 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 02/07/00 STUDY DAY OF DEATH: 673 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 02/07/99 8:20 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, DIFFUSE
	LIVER (LI) : -LIGHT FOCUS(I)/AREA(S); DIAPHRAGMATIC SURFACE OF LEFT LATERAL LOBE: SINGLE TAN AREA, 4 X 1 MM; COLLECTED ON ROUTINE SECTION	LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MODERATE, FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MODERATE, FOCAL -NECROSIS, HEPATOCELLULAR,-MODERATE, FOCAL
	ADRENAL, CORTEX (AC) : -LARGE; LEFT: 18 MM IN DIAMETER (RIGHT IS 3 MM IN DIAMETER)	ADRENAL, CORTEX (AC) : >UNREMARKABLE >NOTE:>ADRENAL CORTICAL LESIONS DESCRIBED GROSSLY WERE A PHEOCHROMOCYTOMA OF THE MEDULLA ADRENAL, MEDULLA (MA) : -HEMATOPOIESIS, EXTRAMEDULLARY,-MODERATE, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT STOMACH, GL (ST) : >UNREMARKABLE

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Individual Anatomic Pathology Data

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ANIMAL NUMBER: C92291 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 02/07/00 STUDY DAY OF DEATH: 673 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 02/07/99 8:20 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN AREAS, UP TO 2 X 1 MM	
		DEATH COMMENT (DC) : -PHEOCHROMOCYTOMA,-PRESENT
	BILE DUCT (BD) : -LARGE; UP TO 3 MM IN DIAMETER (CAP 19)	BILE DUCT (BD) : -DILATATION,-SEVERE, FOCAL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), GENERAL COMMENT (GC), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), THYROID (TY), TESTIS (TE)

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92292 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/12/99 STUDY DAY OF DEATH: 463 STUDY WEEK OF DEATH: 67 TERMINAL BODY WEIGHT: 373.4 GRAMS
DATE AND TIME OF NECROPSY: 07/12/99 14:22 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-RIGHT; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE	PITUITARY (PI) :	PITUITARY (PI) :
>BEHAVIOR; SENSITIVE TO TOUCH; VERIFIED AT NECROPSY: NOT APPLICABLE	-MASS(ES); 12 X 9 X 9 MM, RED, DARK RED, TAN, GRAY, AND SOFT	-HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL
>RESPIRATION; IRREGULAR; VERIFIED AT NECROPSY: NOT APPLICABLE		-B-ADENOMA,-NEOPLASM PRESENT
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT OBSERVED	STOMACH, NONGL (SU) :	STOMACH, NONGL (SU) :
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	-THICKENED WALL; DIFFUSE	>UNREMARKABLE
		DEATH COMMENT (DC) :
		-PITUITARY ADENOMA,-PRESENT
	FOOT/FOOTPAD (FP) :	FOOT/FOOTPAD (FP) :
	-ABRASION(S)/ULCERATION(S); RIGHT HIND FOOT: SINGLE TAN, MOIST, AND ABRADED AREA, 4 MM IN DIAMETER; COLLECTED	-FIBROSIS,-MODERATE, FOCAL
		-INFLAMMATION, ACUTE,-MINIMAL, FOCAL
	TAIL (TI) :	TAIL (TI) :
	-CRUSTED AREA(S); PROXIMAL ONE-THIRD OF TAIL: MULTIPLE, TAN, AND DRY CRUSTED AREAS, UP TO 2 X 1 MM; COLLECTED	-INFLAMMATION, ACUTE,-MODERATE, MULTI-FOCAL
	GENERAL COMMENT (GC) :	
	-BLOOD FILM TAKEN	
	-ANIMAL THIN	

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DATE AND TIME OF NECROPSY: 07/12/99 14:22 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), TESTIS (TE)

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3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92293 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/18/99 STUDY DAY OF DEATH: 288 STUDY WEEK OF DEATH: 42 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/18/99 12:52 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	KIDNEY (KD) : -LARGE PELVIS(ES); BILATERAL -ROUGH SURFACE, DIFFUSE; BILATERAL	KIDNEY (KD) : -DILATATION, PELVIC,-PRESENT -MINERALIZATION, TUBULAR,-MODERATE, MULTI-FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL LIVER (LI) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT
	URINARY BLADDER (UB) : -DIFFUSELY RED; DIFFUSE SEMINAL VESICLES (SV) : -GELATINOUS; BILATERAL: YELLOW	URINARY BLADDER (UB) : >UNREMARKABLE SEMINAL VESICLES (SV) : -SECRETION, INCREASED,-PRESENT DEATH COMMENT (DC) : -MALIGNANT LYMPHOMA,-PRESENT HEMATO NEOPLASIA (HN) : -M-LYMPHOMA,-NEOPLASM PRESENT
	GENERAL COMMENT (GC) : -URINARY BLADDER-LARGE LUMEN; 35 X 25 X 20 MM	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92293 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/18/99 STUDY DAY OF DEATH: 288 STUDY WEEK OF DEATH: 42 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/18/99 12:52 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), PROSTATE (PR), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), TESTIS (TE)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92294 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/07/00 STUDY DAY OF DEATH: 673 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 378.8 GRAMS
DATE AND TIME OF NECROPSY: 02/07/00 11:40 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
>SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE		PANCREAS (PA) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		THYROID (TY) : -CYST, FOLLICULAR,-SLIGHT, MULTI-FOCAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>BEHAVIOR; COLD TO TOUCH; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE	ADRENAL, CORTEX (AC) : -DARK FOCUS(I)/AREA(S); BILATERAL, CORTICAL SURFACE: SINGLE DARK BROWN AREA ON EACH, EACH IS 2 MM IN DIAMETER	ADRENAL, CORTEX (AC) : -HYPERTROPHY,-MODERATE, FOCAL
	PITUITARY (PI) : -MASS(ES); 13 X 11 X 11 MM, RED, DARK RED, GRAY, TAN AND SOFT	PITUITARY (PI) : -CYST,-PRESENT -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92294 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/07/00 STUDY DAY OF DEATH: 673 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 378.8 GRAMS
DATE AND TIME OF NECROPSY: 02/07/00 11:40 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT
	FOOT/FOOTPAD (FP) : -CRUSTED AREA(S); LEFT HIND FOOT: SINGLE TAN AND DRY CRUSTED AREA, 4 X 2 MM (CAP 19)	FOOT/FOOTPAD (FP) : >UNREMARKABLE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92295 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 823.5 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 13:11 PROSECTOR: TONY HANFELD RECORDER: PAMELA L. SCHULZ-STUEBER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EYES; OPAQUE; EYES; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL PANCREAS (PA) : -ATROPHY, ACINAR,-MINIMAL, MULTI-FOCAL THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	TESTIS (TE) : -SMALL; LEFT: 19 X 9 X 9 MM (RIGHT IS 18 X 10 X 10 MM); LEFT APPEARS SOFT	TESTIS (TE) : -ATROPHY/DEGENERATION,-SEVERE, DIFFUSE -MINERALIZATION,-MINIMAL, MULTI-FOCAL >NOTE:>LEFT TESTIS
	EYE (EY) : -WHITE INTRAOCULAR MATERIAL; BILATERAL	EYE (EY) : -CATARACT,-PRESENT
	PITUITARY (PI) : -DIFFUSELY RED; DARK RED	PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		URINARY BLADDER (UB) : -CALCULUS,-PRESENT
		DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92295 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 823.5 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 13:11 PROSECTOR: TONY HANFELD RECORDER: PAMELA L. SCHULZ-STUEBER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU)

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Covance 6329-228
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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92296 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/12/99 STUDY DAY OF DEATH: 525 STUDY WEEK OF DEATH: 75 TERMINAL BODY WEIGHT: 394.7 GRAMS
DATE AND TIME OF NECROPSY: 09/12/99 8:40 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; THIN; UNVERIFIED AT NECROPSY
>SKIN & PELAGE; BROWN HAIR COAT; VENTRAL-ABDOMINAL; UNVERIFIED AT NECROPSY
>EXCRETION; NO FECES; UNVERIFIED AT NECROPSY
>BEHAVIOR; HYPOACTIVE; UNVERIFIED AT NECROPSY
>EYES; RED DISCHARGE; EYES; UNVERIFIED AT NECROPSY

NECROPSY

KIDNEY (KD) :
-ROUGH SURFACE, DIFFUSE; BILATERAL
-DIFFUSELY LIGHT; BILATERAL: TAN

LIVER (LI) :
-LIGHT FOCUS(I)/AREA(S); LEFT LATERAL LOBE: MULTIPLE TAN AREAS, UP TO 15 X 2 MM; COLLECTED ON ROUTINE SECTION
BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)
PITUITARY (PI) :
-MASS(ES); 7 X 5 X 5 MM, DARK RED, RED, TAN, LOBULATED AND SOFT

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-STAINS-PERINEUM/PERIANAL; YELLOW, BROWN AND MOIST MATERIAL

HISTOPATHOLOGY

LUNG (LU) :
-MINERALIZATION, VASCULAR,-MINIMAL, FOCAL
KIDNEY (KD) :
-MINERALIZATION, TUBULAR,-MINIMAL, MULTI-FOCAL
-NEPHROPATHY, CHRONIC PROGRESSIVE,-SEVERE, DIFFUSE
LIVER (LI) :
-VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
PITUITARY (PI) :
-HEMORRHAGE,-MODERATE, MULTI-FOCAL
-PIGMENT,-MINIMAL, MULTI-FOCAL
-B-ADENOMA,-NEOPLASM PRESENT
DEATH COMMENT (DC) :
-PITUITARY ADENOMA,-PRESENT

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92296 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/12/99 STUDY DAY OF DEATH: 525 STUDY WEEK OF DEATH: 75 TERMINAL BODY WEIGHT: 394.7 GRAMS
DATE AND TIME OF NECROPSY: 09/12/99 8:40 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -DISCHARGE-OCULAR; BILATERAL: DARK RED DRY MATERIAL	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), THYROID (TY), TESTIS (TE)

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3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92297 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 640.9 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 13:43 PROSECTOR: WENDY CHERRY RECORDER: PAMELA L. SCHULZ-STUEBER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; LIMB-HIND- LEFT; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,- SLIGHT, MULTI-FOCAL LIVER (LI) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI- FOCAL
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) PITUITARY (PI) : -MASS(ES); 8 X 7 X 5 MM, DARK RED, TAN AND SOFT	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT URINARY BLADDER (UB) : -CALCULUS,-PRESENT >NOTE:>ONLY THE CALCULUS WAS PRESENT ON THE SECTION DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT
	FOOT/FOOTPAD (FP) : -ABRASION(S)/ULCERATION(S); LEFT HINDFOOT: SINGLE DARK RED, TAN AND MOIST ABRADED AREA, 6 X 5 X 4 MM; COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	FOOT/FOOTPAD (FP) : -FIBROSIS,-MODERATE, FOCAL -INFLAMMATION, CHRONIC ACTIVE,-MINIMAL, MULTI-FOCAL

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92297 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 640.9 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 13:43 PROSECTOR: WENDY CHERRY RECORDER: PAMELA L. SCHULZ-STUEBER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), THYROID (TY), TESTIS (TE)

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Covance 6329-228
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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92298 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/19/99 STUDY DAY OF DEATH: 470 STUDY WEEK OF DEATH: 68 TERMINAL BODY WEIGHT: 477.6 GRAMS
DATE AND TIME OF NECROPSY: 07/19/99 13:12 PROSECTOR: LYNN HORNER RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

LIVER (LI) :
-LIGHT FOCUS(I)/AREA(S); LEFT LATERAL LOBE: SINGLE TAN AREA, 2 X 1 MM; COLLECTED ON ROUTINE SECTION
BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)
PITUITARY (PI) :
-MASS(ES); 13 X 10 X 7 MM, DARK RED, TAN, LOBULATED, AND SOFT
STOMACH, GL (ST) :
-DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN AREAS, UP TO 2 X 1 MM
MAMMARY, MALE (MM) :
-THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION
GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-MALOCCLUSION; BILATERAL LOWER INCISORS

HISTOPATHOLOGY

KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT, MULTI-FOCAL
LIVER (LI) :
-VACUOLATION, HEPATOCELLULAR,-MODERATELY SEVERE, DIFFUSE
BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
PITUITARY (PI) :
-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
-B-ADENOMA,-NEOPLASM PRESENT
STOMACH, GL (ST) :
-EROSION,-MODERATE, FOCAL
DEATH COMMENT (DC) :
-PITUITARY ADENOMA,-PRESENT
MAMMARY, MALE (MM) :
>TISSUE MISSING

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92298 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/19/99 STUDY DAY OF DEATH: 470 STUDY WEEK OF DEATH: 68 TERMINAL BODY WEIGHT: 477.6 GRAMS
DATE AND TIME OF NECROPSY: 07/19/99 13:12 PROSECTOR: LYNN HORNER RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; PERINEAL: YELLOW AND MOIST -ANIMAL THIN	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), THYROID (TY), TESTIS (TE)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92299 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 574.0 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 12:56 PROSECTOR: WENDY CHERRY RECORDER: PAMELA L. SCHULZ-STUEBER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAWS-HIND; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
	LIVER (LI) : -DARK FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE BROWN AREAS, UP TO 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : >UNREMARKABLE
		PANCREAS (PA) : -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT
	PITUITARY (PI) : -MASS(ES); 11 X 8 X 6 MM, DARK RED, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: SINGLE DARK BROWN AREA, 3 MM IN DIAMETER	STOMACH, GL (ST) : -EROSION,-SLIGHT, FOCAL
		URINARY BLADDER (UB) : -CALCULUS,-PRESENT
		DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT
		FOOT/FOOTPAD (FP) : -FIBROSIS,-MODERATE, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92299 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 574.0 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 12:56 PROSECTOR: WENDY CHERRY RECORDER: PAMELA L. SCHULZ-STUEBER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	FOOT/FOOTPAD (FP) : -ABRASION(S)/ULCERATION(S); RIGHT HINDFOOT: SINGLE DARK RED, TAN ABRADED AREA, 11 X 10 X 5 MM; COLLECTED >NOTE:>LEFT HINDFOOT SORE/SCAB NOT SEEN AS NOTED IN CLINICAL OBSERVATIONS GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), THYROID (TY), TESTIS (TE)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92300 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 04/28/98 STUDY DAY OF DEATH: 23 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 318.2 GRAMS
DATE AND TIME OF NECROPSY: 04/28/98 8:46 PROSECTOR: TERRI L. WILLIAMS RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TROY ELLENBECKER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	10.1638	3.1942 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RIGHT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; UNVERIFIED AT NECROPSY	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS	

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92300 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 04/28/98 STUDY DAY OF DEATH: 23 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 318.2 GRAMS
DATE AND TIME OF NECROPSY: 04/28/98 8:46 PROSECTOR: TERRI L. WILLIAMS RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TROY ELLENBECKER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92301 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/01/99 STUDY DAY OF DEATH: 605 STUDY WEEK OF DEATH: 87 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/01/99 8:01 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT, DIFFUSE -INFLAMMATION, CHRONIC,-SLIGHT, MULTI-FOCAL LIVER (LI) : -HYPERPLASIA, BILE DUCT,-MINIMAL, FOCAL -NECROSIS, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL PANCREAS (PA) : -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT THYROID (TY) : -CYST, FOLLICULAR,-MINIMAL, FOCAL
	PROSTATE (PR) : -NODULAR; PROXIMAL, SURROUNDING URETHRA: GREEN AND FIRM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE, MULTI-FOCAL DEATH COMMENT (DC) : -UNDETERMINED,-PRESENT CAVITY, ABDOM (PC) : >TISSUE MISSING >NOTE:>MASS DESCRIBED GROSSLY WAS A PANCREATIC ISLET CELL ADENOMA

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92301 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/01/99 STUDY DAY OF DEATH: 605 STUDY WEEK OF DEATH: 87 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/01/99 8:01 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	CAVITY, ABDOM (PC) : -MASS(ES); WITHIN ADIPOSE OF ABDOMINAL CAVITY, NEAR MESENTERIC LYMPH NODES, NEAR COLON: SINGLE MASS, 8 X 8 X 7 MM, RED, DARK RED, TAN, FIRM AND NODULAR; CUT SURFACE EXUDES A RED FLUID (CAP 19); REGIONAL LN (MESENTERIC) NORMAL GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; YELLOW -DISCHARGE-OCULAR; BILATERAL: RED -DISCHARGE-NASAL; BILATERAL: RED	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92301 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/01/99 STUDY DAY OF DEATH: 605 STUDY WEEK OF DEATH: 87 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/01/99 8:01 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), SKIN (SK), LN, MESENTERIC (MS), MAMMARY, MALE (MM)

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92302 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/02/00 STUDY DAY OF DEATH: 668 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 712.5 GRAMS
DATE AND TIME OF NECROPSY: 02/02/00 8:02 PROSECTOR: JODI THIEREN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>SKIN & PELAGE; BROWN HAIR COAT; PERINEAL AREA; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>DISCHARGE; NASAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; RECUMBENT; STERNAL; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

LIVER (LI) :
-LIGHT FOCUS(I)/AREA(S); LEFT MEDIAN LOBE: SINGLE TAN AREA, 8 X 5 MM; COLLECTED

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

PITUITARY (PI) :
-MASS(ES); 10 X 8 X 8 MM, RED, DARK RED, TAN, SOFT

STOMACH, GL (ST) :
-EROSION/ULCERATION; MUCOSA: MULTIPLE BROWN ERODED AREAS, UP TO 5 X 2 MM

PROSTATE (PR) :
-NODULAR; PROXIMAL, SURROUNDING URETHRA: GREEN AND FIRM

HISTOPATHOLOGY

KIDNEY (KD) :
-INFARCT,-MINIMAL, FOCAL
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL

LIVER (LI) :
-LIPIDOSIS, SUBCAPSULAR (TENSION LIPIDOSIS),-MODERATELY SEVERE, FOCAL
-VACUOLATION, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
-DILATATION, VENTRICULAR,-PRESENT

ADRENAL, CORTEX (AC) :
-VACUOLATION,-MINIMAL, MULTI-FOCAL

PITUITARY (PI) :
-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
-B-ADENOMA,-NEOPLASM PRESENT

STOMACH, GL (ST) :
>UNREMARKABLE

PROSTATE (PR) :
>UNREMARKABLE

SEMINAL VESICLES (SV) :
-SECRETION, INCREASED,-PRESENT

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92302 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/02/00 STUDY DAY OF DEATH: 668 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 712.5 GRAMS
DATE AND TIME OF NECROPSY: 02/02/00 8:02 PROSECTOR: JODI THIEREN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	SEMINAL VESICLES (SV) : -LARGE; TRIMMING COMMENT: LEFT: 40 X 15 X 5 MM (RIGHT IS 25 X 11 X 5 MM)	
		DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT
	LN, LUMBAR/ILIAC (LM) : -LARGE; RIGHT: 14 X 9 X 5 MM (LEFT IS 5 X 3 X 2 MM); RIGHT APPEARS CYSTIC; (CAP 20)	LN, LUMBAR/ILIAC (LM) : -DILATATION, SINUSOIDAL,-MODERATELY SEVERE, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -STAINS-PERINEUM/PERIANAL; MOIST BROWN MATERIAL -DISCHARGE-OCULAR; BILATERAL: DRY RED MATERIAL -DISCHARGE-NASAL; BILATERAL: MOIST CLEAR MATERIAL	

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3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92302 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/02/00 STUDY DAY OF DEATH: 668 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 712.5 GRAMS
DATE AND TIME OF NECROPSY: 02/02/00 8:02 PROSECTOR: JODI THIEREN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), THYROID (TY), TESTIS (TE)

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92303 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 685.1 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 8:01 PROSECTOR: GREGORY CODDINGTON RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DONIA MEYER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0356	.0052 %	.0152	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0274	.0040 %	.0117	WEIGHT TAKEN
BRAIN (BR)	2.3473	.3426 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.9623	.2864 %	.8360	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.8960	.2767 %	.8077	WEIGHT TAKEN
LIVER (LI)	16.8091	2.4535 %	7.1610	WEIGHT TAKEN
LUNG (LU)	2.1910	.3198 %	.9334	WEIGHT TAKEN
SPLEEN (SP)	1.6829	.2456 %	.7170	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.5796	.2306 %	.6729	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.5913	.2323 %	.6779	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0104	.0015 %	.0044	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0155	.0023 %	.0066	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

SPLEEN (SP) :
-LIGHT FOCUS(I)/AREA(S); PARIETAL SURFACE: SINGLE GRAY AREA, 2 MM IN DIAMETER

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

KIDNEY (KD) :
-MINERALIZATION, PELVIC,-SLIGHT, FOCAL
SPLEEN (SP) :
>UNREMARKABLE

DEATH COMMENT (DC) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92303 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 685.1 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 8:01 PROSECTOR: GREGORY CODDINGTON RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DONIA MEYER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), LIVER (LI), PANCREAS (PA), THYROID (TY), TESTIS (TE)

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92304 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/31/00 STUDY DAY OF DEATH: 666 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 871.9 GRAMS
DATE AND TIME OF NECROPSY: 01/31/00 13:00 PROSECTOR: STEVE VAN ADESTINE RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); HEAD-MAXILLARY-LEFT; WEEK 93; 35 X 30MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT, MULTI-FOCAL
	LIVER (LI) : -DIFFUSELY LIGHT; ALL LOBES: TAN -DARK FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK BROWN FOCI, PINPOINT AND UP TO 1 MM IN DIAMETER	LIVER (LI) : -DEGENERATION, CYSTIC,-MODERATE, MULTI-FOCAL -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MODERATE, MULTI-FOCAL -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL
		THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT
		DEATH COMMENT (DC) : -AUDITORY SEBACEOUS GLAND CARCINOMA,-PRESENT
	AUDITORY SEB GL (AS) : -MASS(ES); LEFT: SINGLE MASS, 45 X 35 X 27 MM, RED, DARK RED, TAN, GREEN, LOBULATED, VASCULAR, AND FIRM; ON SECTION EXUDES A LIGHT GREEN, CASEOUS SEMISOLID; COLLECTED INTACT; REGIONAL LN (MANDIBULAR) NORMAL (CAP 20)	AUDITORY SEB GL (AS) : -M-CARCINOMA,-NEOPLASM PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL OBESE	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92304 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/31/00 STUDY DAY OF DEATH: 666 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 871.9 GRAMS
DATE AND TIME OF NECROPSY: 01/31/00 13:00 PROSECTOR: STEVE VAN ADESTINE RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -DISCHARGE-OCULAR; LEFT: DARK RED, DRY, CRUSTED MATERIAL	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), TESTIS (TE), LN, MANDIBULAR (MN)

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92305 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/17/99 STUDY DAY OF DEATH: 438 STUDY WEEK OF DEATH: 63 TERMINAL BODY WEIGHT: 446.1 GRAMS
DATE AND TIME OF NECROPSY: 06/17/99 14:31 PROSECTOR: JAMES T. CALLEN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; VENTRAL-CERVICAL; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL
>SKIN & PELAGE; SORE/SCAB; DORSAL-CERVICAL; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -MASS(ES); RIGHT MEDIAN LOBE: SINGLE MASS, 28 X 21 X 12 MM, TAN, RED, VASCULAR AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (HEPATIC) NOT IDENTIFIED -LARGE; ALL LOBES: MARGINS ROUNDED	LIVER (LI) : -B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT
>SKIN & PELAGE; SORE/SCAB; HEAD-ENTIRE; VERIFIED AT NECROPSY: OBSERVED		
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE		
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE		THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	SKIN (SK) : -CRUSTED AREA(S); MID VENTRAL CERVICAL, MID DORSAL THORACIC AND HEAD: MULTIPLE TAN CRUSTED AREAS, UP TO 5 MM IN DIAMETER (CAP 18); POSSIBLY CONSISTENT WITH ALL SORES NOTED IN CLINICAL OBSERVATIONS	SKIN (SK) : -ATROPHY, ADNEXAL,-SLIGHT, FOCAL -INFLAMMATION, ACUTE,-MODERATE, FOCAL
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE		
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT
	PITUITARY (PI) : -MASS(ES); 10 X 7 X 5 MM, DARK RED, TAN AND FIRM	PITUITARY (PI) : -HEMORRHAGE,-SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92305 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/17/99 STUDY DAY OF DEATH: 438 STUDY WEEK OF DEATH: 63 TERMINAL BODY WEIGHT: 446.1 GRAMS
DATE AND TIME OF NECROPSY: 06/17/99 14:31 PROSECTOR: JAMES T. CALLEN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, NONGL (SU) : -THICKENED WALL; DIFFUSE -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN AREAS, UP TO 5 X 3 MM	STOMACH, NONGL (SU) : -EDEMA,-MODERATELY SEVERE, FOCAL -INFLAMMATION, ACUTE,-SLIGHT, MULTI-FOCAL -ULCERATION,-SEVERE, FOCAL
		DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT
	LN, MANDIBULAR (MN) : -LARGE; BILATERAL: EACH IS 6 X 3 X 2 MM	LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOCYTIC,-SLIGHT, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN -GI TRACT-DARK FLUID CONTENT; DUODENUM AND JEJUNUM: CONTAINS A BLACK SEMISOLID MATERIAL	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92305 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/17/99 STUDY DAY OF DEATH: 438 STUDY WEEK OF DEATH: 63 TERMINAL BODY WEIGHT: 446.1 GRAMS
DATE AND TIME OF NECROPSY: 06/17/99 14:31 PROSECTOR: JAMES T. CALLEN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), TESTIS (TE)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92306 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/27/00 STUDY DAY OF DEATH: 722 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/27/00 7:56 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-SLIGHT, MULTI-FOCAL LIVER (LI) : -DEGENERATION, CYSTIC,-MODERATE, FOCAL
	PANCREAS (PA) : -MASS(ES); NEAR SPLEEN: SINGLE MASS, 5 X 5 X 4 MM, TAN AND FIRM; SAME ON CUT SURFACE (CAP 22); REGIONAL LN (PANCREATIC) NOT IDENTIFIED THYROID (TY) : -LARGE; BILATERAL: LEFT IS 6 X 5 X 4 MM, RIGHT IS 5 X 3 X 3 MM PARATHYROID (PT) : -LARGE; LEFT: 1 MM IN DIAMETER (RIGHT IS LESS THAN 1 MM IN DIAMETER)	PANCREAS (PA) : -ATROPHY, ACINAR,-MINIMAL, FOCAL -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT THYROID (TY) : -B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT PARATHYROID (PT) : >UNREMARKABLE
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) PITUITARY (PI) : -MASS(ES); 7 MM IN DIAMETER, RED, DARK RED, TAN AND SOFT	TESTIS (TE) : -MINERALIZATION, VASCULAR,-MINIMAL, MULTI-FOCAL BRAIN (BR) : >UNREMARKABLE PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92306 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/27/00 STUDY DAY OF DEATH: 722 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/27/00 7:56 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PROSTATE (PR) : -NODULAR; PROXIMAL TO URETHRA: TAN, GREEN AND FIRM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE, MULTI-FOCAL DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), GENERAL COMMENT (GC), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU)

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92307 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/12/00 STUDY DAY OF DEATH: 707 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: 447.0 GRAMS
DATE AND TIME OF NECROPSY: 03/12/00 9:33 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>WART LIKE LESION(S); DORSAL; WEEK 59; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED >WART LIKE LESION(S); NOSE; WEEK 100; VERIFIED AT NECROPSY: NOT OBSERVED >MASS(ES); HEAD-MAXILLARY-LEFT; WEEK 100; VERIFIED AT NECROPSY: OBSERVED >RESPIRATION; IRREGULAR; VERIFIED AT NECROPSY: NOT APPLICABLE		LUNG (LU) : -INFLAMMATION, GRANULOMATOUS,-SLIGHT, MULTI-FOCAL -MINERALIZATION,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT, MULTI-FOCAL LIVER (LI) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
>RESPIRATION; AUDIBLE; VERIFIED AT NECROPSY: NOT APPLICABLE	PANCREAS (PA) : -MASS(ES); NEAR SPLEEN: SINGLE MASS, 3 MM IN DIAMETER, TAN AND SOFT (CAP 28); REGIONAL LN (MESENTERIC) NORMAL THYROID (TY) : -MASS(ES); INVOLVING ENTIRE LEFT THYROID: SINGLE MASS, 7 X 5 X 4 MM, TAN AND FIRM; COLLECTED INTACT; REGIONAL LN (MEDIASTINAL) NORMAL (CAP 26) SKIN (SK) : -CRUSTED AREA(S); DORSAL LUMBAR REGION: TWO DRY TAN CRUSTED AREAS, ONE IS 15 X 12 MM (CAP 22), THE OTHER IS 4 MM IN DIAMETER (CAP 23)	PANCREAS (PA) : -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT SKIN (SK) : -B-KERATOACANTHOMA,- 2 NEOPLASMS PRESENT

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92307 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/12/00 STUDY DAY OF DEATH: 707 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: 447.0 GRAMS
DATE AND TIME OF NECROPSY: 03/12/00 9:33 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
	PITUITARY (PI) : -MASS(ES); 10 X 10 X 6 MM, DARK BROWN, DARK RED AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN AREAS, PINPOINT AND UP TO 1 MM IN DIAMETER	STOMACH, GL (ST) : >UNREMARKABLE
	PROSTATE (PR) : -NODULAR; PROXIMAL, SURROUNDING URETHRA: GREENISH-TAN	PROSTATE (PR) : -HEMORRHAGE,-MINIMAL, FOCAL -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL
	SEMINAL VESICLES (SV) : -GELATINOUS; BILATERAL: TAN	SEMINAL VESICLES (SV) : -EDEMA,-SLIGHT, MULTI-FOCAL
		DEATH COMMENT (DC) : -OSTEOGENIC SARCOMA,-PRESENT
	CALVARIUM/SKULL (CA) : -MASS(ES); LEFT NASAL REGION: SINGLE MASS, 10 X 10 X 5 MM, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (MANDIBULAR) NORMAL (CAP 24)	CALVARIUM/SKULL (CA) : -M-SARCOMA, OSTEOGENIC,-NEOPLASM PRESENT
		ADIPOSE TISSUE (AT) : -FAT NECROSIS,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92307 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/12/00 STUDY DAY OF DEATH: 707 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: 447.0 GRAMS
DATE AND TIME OF NECROPSY: 03/12/00 9:33 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	ADIPOSE TISSUE (AT) : -MASS(ES); NEAR LEFT CAUDAL EPIDIDYMIS: SINGLE MASS, 5 X 5 X 3 MM, TAN AND SOFT; SAME ON CUT SURFACE (CAP 25); REGIONAL LN (ILIAC) NOT IDENTIFIED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -GI TRACT-LARGE LUMEN; STOMACH: UP TO 50 X 30 X 30 MM, DISTENDED WITH GAS -DISCHARGE-OCULAR; LEFT: MOIST DARK BROWN MATERIAL -DISCHARGE-NASAL; MOIST BROWN MATERIAL -ANIMAL THIN -TEETH MISSING/BROKEN/WORN; LEFT UPPER INCISOR: BROKEN AT BASE	

APPENDIX 6

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92307 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/12/00 STUDY DAY OF DEATH: 707 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: 447.0 GRAMS
DATE AND TIME OF NECROPSY: 03/12/00 9:33 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PARATHYROID (PT), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), LN, MESENTERIC (MS), LN, MANDIBULAR (MN), LN, MEDIASTINAL (ML)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92308 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 535.0 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 13:41 PROSECTOR: TROY ELLENBECKER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED	LUNG (LU) : -MOTTLED; ALL LOBES: DARK RED AND TAN KIDNEY (KD) : -GRANULAR MATERIAL; BILATERAL: MULTIPLE TAN AND FIRM GRANULAR MATERIAL, UP TO 1 MM IN DIAMETER -DIFFUSELY LIGHT; BILATERAL: TAN LIVER (LI) : -MOTTLED; ALL LOBES: DARK RED AND TAN -LARGE; ALL LOBES: MARGINS ROUNDED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	LUNG (LU) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT, MULTI-FOCAL -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -DILATATION, PELVIC,-PRESENT -MINERALIZATION, PELVIC,-MODERATELY SEVERE, MULTI-FOCAL LIVER (LI) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT PANCREAS (PA) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT HEMATO NEOPLASIA (HN) : -M-SARCOMA, HISTIOCYTIC,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92308 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 535.0 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 13:41 PROSECTOR: TROY ELLENBECKER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
THYROID (TY), TESTIS (TE), URINARY BLADDER (UB)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92309 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 558.5 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 10:50 PROSECTOR: TONY HANFELD RECORDER: PAMELA L. SCHULZ-STUEBER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED	KIDNEY (KD) : -DIFFUSELY LIGHT; BILATERAL: TAN	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SEVERE, DIFFUSE
	LIVER (LI) : -MASS(ES); DISTAL END OF LEFT LATERAL LOBE: SINGLE MASS, 45 X 45 X 25 MM, TAN, RED, VASCULAR AND FIRM; SAME ON CUT SURFACE; ENTIRE LOBE COLLECTED; REGIONAL LN (HEPATIC) NORMAL (CAP 22)	LIVER (LI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL -B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT
		THYROID (TY) : -CYST, FOLLICULAR,-MODERATE, FOCAL -FIBROSIS,-MODERATE, MULTI-FOCAL -INFLAMMATION, CHRONIC,-SLIGHT, MULTI-FOCAL -B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT
		TESTIS (TE) : -MINERALIZATION,-MINIMAL, FOCAL
	STOMACH, GL (ST) : -THICKENED WALL; DIFFUSE	STOMACH, GL (ST) : -EDEMA,-MODERATELY SEVERE, FOCAL -EROSION,-MINIMAL, FOCAL
		URINARY BLADDER (UB) : -CALCULUS,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92309 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 558.5 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 10:50 PROSECTOR: TONY HANFELD RECORDER: PAMELA L. SCHULZ-STUEBER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

DEATH COMMENT (DC) :
-SCHEDULED SACRIFICE,-PRESENT
LN, OTHER (LN) :
-INFILTRATE, MACROPHAGE, PIGMENTED,-
MINIMAL, MULTI-FOCAL
>NOTE:>HEPATIC LYMPH NODE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA)

APPENDIX 6

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92310 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 08/25/99 STUDY DAY OF DEATH: 507 STUDY WEEK OF DEATH: 73 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 08/25/99 12:48 PROSECTOR: TONY HANFELD RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	KIDNEY (KD) : -LARGE PELVIS(ES); BILATERAL	KIDNEY (KD) : -CAST, PROTEINACEOUS,-SLIGHT, MULTI-FOCAL -DILATATION, PELVIC,-PRESENT
		LIVER (LI) : -NECROSIS, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL
	THYMUS (TH) : -LARGE; 15 X 9 X 5 MM	THYMUS (TH) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
	PROSTATE (PR) : -MASS(ES); INVOLVING ENTIRE PROSTATE: SINGLE MASS, 32 X 23 X 16 MM, TAN, RED, DARK RED AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (SEE LUMBAR)	PROSTATE (PR) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
		DEATH COMMENT (DC) : -HISTIOCYTIC SARCOMA,-PRESENT
	LN, LUMBAR/ILIAC (LM) : -MASS(ES); INVOLVING BILATERAL LUMBAR AND ILIAC LN: SINGLE MASS, 35 X 28 X 9 MM, TAN, RED AND GREEN; SAME ON CUT SURFACE; COLLECTED	LN, LUMBAR/ILIAC (LM) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92310 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 08/25/99 STUDY DAY OF DEATH: 507 STUDY WEEK OF DEATH: 73 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 08/25/99 12:48 PROSECTOR: TONY HANFELD RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		HEMATO NEOPLASIA (HN) : -M-SARCOMA, HISTIOCYTIC,-NEOPLASM PRESENT

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), GENERAL COMMENT (GC), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), THYROID (TY), TESTIS (TE)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92311 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 1008.5 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 10:20 PROSECTOR: TROY ELLENBECKER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-SLIGHT, MULTI-FOCAL
	LIVER (LI) : -RED FOCUS(I)/AREA(S); LEFT LATERAL LOBE: MULTIPLE DARK RED AREAS, UP TO 5 MM IN DIAMETER; SOME ARE SUNKEN WITH A STELLATE PATTERN; COLLECTED ON ROUTINE SECTION	LIVER (LI) : -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
	TESTIS (TE) : -RED/YELLOW FOCUS(I)/AREA(S); LEFT, BENEATH TUNICA: MULTIPLE AREAS, UP TO 8 X 5 MM	TESTIS (TE) : -ATROPHY/DEGENERATION,-SLIGHT, MULTI-FOCAL -CYST,-PRESENT -INFLAMMATION, CHRONIC,-MODERATE, MULTI-FOCAL -B-INTERSTITIAL CELL TUMOR,-NEOPLASM PRESENT
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); MID ASPECT: SINGLE DARK RED AREA, 1 MM IN DIAMETER	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -THICKENED WALL; DIFFUSE	STOMACH, GL (ST) : >UNREMARKABLE
		URINARY BLADDER (UB) : -CALCULUS,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92311 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 1008.5 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 10:20 PROSECTOR: TROY ELLENBECKER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

HISTOPATHOLOGY

DEATH COMMENT (DC) :
-SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), THYROID (TY)

APPENDIX 6

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92312 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/28/99 STUDY DAY OF DEATH: 449 STUDY WEEK OF DEATH: 65 TERMINAL BODY WEIGHT: 455.9 GRAMS
DATE AND TIME OF NECROPSY: 06/28/99 13:25 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED		DEATH COMMENT (DC) : -UNDETERMINED,-PRESENT
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE	FOOT/FOOTPAD (FP) : -CRUSTED AREA(S); BILATERAL, HINDFEET: SINGLE RED, TAN AND DRY AREA ON EACH, BOTH ARE 4 MM IN DIAMETER; BOTH COLLECTED	FOOT/FOOTPAD (FP) : -EROSION,-MODERATE, FOCAL -FIBROSIS,-MODERATE, FOCAL -INFLAMMATION, ACUTE,-MODERATE, FOCAL
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED		
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL, UPPER INCISORS	
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE		
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92312 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/28/99 STUDY DAY OF DEATH: 449 STUDY WEEK OF DEATH: 65 TERMINAL BODY WEIGHT: 455.9 GRAMS
DATE AND TIME OF NECROPSY: 06/28/99 13:25 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), TESTIS (TE)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92313 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 02/08/00 STUDY DAY OF DEATH: 674 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 02/08/00 7:36 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); DORSAL; WEEK 72; 35 X 40MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL PANCREAS (PA) : -PIGMENT,-MINIMAL, MULTI-FOCAL -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT THYROID (TY) : -CYST, FOLLICULAR,-SLIGHT, FOCAL
	SKIN (SK) : -MASS(ES); DORSAL LUMBAR REGION: SINGLE MASS, 50 X 38 X 15 MM, RED, DARK RED, TAN, FRIABLE AND FIRM; SAME ON CUT SURFACE (CAP 20); REGIONAL LN (INGUINAL) NOT IDENTIFIED	SKIN (SK) : -B-KERATOACANTHOMA,-NEOPLASM PRESENT
		DEATH COMMENT (DC) : -UNDETERMINED,-PRESENT
	MAMMARY, MALE (MM) : -CYST(S); VENTRAL CERVICAL REGION: MULTIPLE TAN, WHITE AND CREAMY SEMI-FLUID FILLED CYSTS, UP TO 4 MM IN DIAMETER (CAP 19)	MAMMARY, MALE (MM) : -GALACTOCELE,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92313 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 02/08/00 STUDY DAY OF DEATH: 674 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 02/08/00 7:36 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), GENERAL COMMENT (GC), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), LIVER (LI), TESTIS (TE)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92314 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/14/00 STUDY DAY OF DEATH: 649 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 515.5 GRAMS
DATE AND TIME OF NECROPSY: 01/14/00 8:23 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; DORSAL; VERIFIED AT NECROPSY: OBSERVED		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, DIFFUSE
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		THYROID (TY) : -CYST, FOLLICULAR,-MODERATE, FOCAL -HYPERPLASIA, FOLLICULAR CELL,-MODERATE, FOCAL
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED		
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: NOT OBSERVED	SKIN (SK) : -CRUSTED AREA(S); MID DORSAL THORACIC REGION: SINGLE DARK RED AND DRY AREA, 7 X 6 X 4 MM (CAP 19)	SKIN (SK) : -CYST, EPIDERMAL INCLUSION,-PRESENT
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
	PITUITARY (PI) : -MASS(ES); 11 X 9 X 9 MM, DARK RED, RED, AND SOFT	PITUITARY (PI) : -CYST,-PRESENT -B-ADENOMA,-NEOPLASM PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT

APPENDIX 6

Covance 6329-228
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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92314 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/14/00 STUDY DAY OF DEATH: 649 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 515.5 GRAMS
DATE AND TIME OF NECROPSY: 01/14/00 8:23 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -MALOCCLUSION; BILATERAL, UPPER INCISORS -ANIMAL THIN	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LIVER (LI), PANCREAS (PA), TESTIS (TE)

APPENDIX 6

Covance 6329-228
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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92315 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 731.3 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 8:24 PROSECTOR: GREGORY CODDINGTON RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DONIA MEYER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0306	.0042 %	.0132	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0311	.0043 %	.0135	WEIGHT TAKEN
BRAIN (BR)	2.3117	.3161 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.8457	.2524 %	.7984	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.9516	.2669 %	.8442	WEIGHT TAKEN
LIVER (LI)	19.3215	2.6421 %	8.3581	WEIGHT TAKEN
LUNG (LU)	2.2745	.3110 %	.9839	WEIGHT TAKEN
SPLEEN (SP)	.9082	.1242 %	.3929	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.8018	.2464 %	.7794	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.7817	.2436 %	.7707	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0166	.0023 %	.0072	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0199	.0027 %	.0086	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
PANCREAS (PA) :
-PIGMENT,-MINIMAL, MULTI-FOCAL
DEATH COMMENT (DC) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92315 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 731.3 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 8:24 PROSECTOR: GREGORY CODDINGTON RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DONIA MEYER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), LIVER (LI), THYROID (TY), TESTIS (TE)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92316 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/07/00 STUDY DAY OF DEATH: 702 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: 512.6 GRAMS
DATE AND TIME OF NECROPSY: 03/07/00 12:56 PROSECTOR: DAVID SCHUETTE RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; VENTRAL-ABDOMINAL-RIGHT; VERIFIED AT NECROPSY: OBSERVED	KIDNEY (KD) : -DIFFUSELY LIGHT; BILATERAL: TAN	KIDNEY (KD) : >UNREMARKABLE
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 84; 30 X 40MM; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -DIFFUSELY LIGHT; ALL LOBES: TAN	LIVER (LI) : >UNREMARKABLE
>EYES; PALE; EYES; VERIFIED AT NECROPSY: NOT APPLICABLE		SKIN (SK) : -EROSION,-MODERATELY SEVERE, FOCAL -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -INFLAMMATION, ACUTE,-MODERATE, FOCAL -M-FIBROSARCOMA,-NEOPLASM PRESENT
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE	HEART (HT) : -LIGHT FOCUS(I)/AREA(S); PERICARDIUM, DIFFUSE: MULTIPLE GREY AREAS, UP TO 10 X 6 MM	HEART (HT) : -DEGENERATION/NECROSIS,-SLIGHT, FOCAL -FIBROSIS,-SLIGHT, FOCAL
>SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE	SPLEEN (SP) : -LARGE; 63 X 16 X 10 MM	SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATELY SEVERE, DIFFUSE
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: SINGLE DARK BROWN AREA, 1 MM IN DIAMETER	STOMACH, GL (ST) : -EROSION,-MINIMAL, FOCAL
		DEATH COMMENT (DC) : -FIBROSARCOMA,-PRESENT
	LN, LUMBAR/ILIAC (LM) : -CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 8 X 5 X 5 MM (CAP 23)	LN, LUMBAR/ILIAC (LM) : -DILATATION, SINUSOIDAL,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92316 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/07/00 STUDY DAY OF DEATH: 702 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: 512.6 GRAMS
DATE AND TIME OF NECROPSY: 03/07/00 12:56 PROSECTOR: DAVID SCHUETTE RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, MALE (MM) : -MASS(ES); RIGHT VENTRAL ABDOMINAL REGION: SINGLE MASS, 40 X 40 X 20 MM, TAN, RED, FIRM, AND LOBULATED; SAME ON CUT SURFACE; COLLECTED INTACT; ALL OVERLYING SKIN IS RED, MOIST, AND ULCERATED; REGIONAL LN (INGUINAL) NOT IDENTIFIED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	MAMMARY, MALE (MM) : >TISSUE MISSING >NOTE:>MAMMARY MASS DESCRIBED GROSSLY WAS A SUBCUTANEOUS FIBROSARCOMA

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), LN, MESENTERIC (MS), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), THYROID (TY), TESTIS (TE)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92317 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 834.6 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 8:24 PROSECTOR: TODD ACKER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DONIA MEYER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0336	.0040 %	.0130	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0277	.0033 %	.0107	WEIGHT TAKEN
BRAIN (BR)	2.5770	.3088 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	2.7254	.3266 %	1.0576	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	2.7560	.3302 %	1.0695	WEIGHT TAKEN
LIVER (LI)	26.2758	3.1483 %	10.1963	WEIGHT TAKEN
LUNG (LU)	2.2535	.2700 %	.8745	WEIGHT TAKEN
SPLEEN (SP)	1.4602	.1750 %	.5666	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.9470	.2333 %	.7555	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.9777	.2370 %	.7674	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0163	.0020 %	.0063	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0323	.0039 %	.0125	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
THYROID (TY) :
-CYST, FOLLICULAR,-MODERATE, MULTI-FOCAL
DEATH COMMENT (DC) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92317 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 834.6 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 8:24 PROSECTOR: TODD ACKER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DONIA MEYER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), LIVER (LI), PANCREAS (PA), TESTIS (TE)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92318 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 789.0 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 9:48 PROSECTOR: DENNIS HOFFMAN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; NONFORMED FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS -DIFFUSELY LIGHT; ALL LOBES: TAN	LIVER (LI) : -DEGENERATION, CYSTIC,-SLIGHT, FOCAL -VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL
		PANCREAS (PA) : -ATROPHY, ACINAR,-SLIGHT, FOCAL
		THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT
	TESTIS (TE) : -SMALL; RIGHT: 9 X 10 X 18 MM (LEFT IS 13 X 14 X 25 MM) -RED/YELLOW FOCUS(I)/AREA(S); LEFT, BENEATH TUNICA: MULTIPLE AREAS, UP TO 5 X 7 MM	TESTIS (TE) : -ATROPHY/DEGENERATION,-SEVERE, MULTI-FOCAL -MINERALIZATION,-SLIGHT, MULTI-FOCAL -B-INTERSTITIAL CELL TUMOR,-NEOPLASM PRESENT
	PITUITARY (PI) : -CYST(S); LEFT ASPECT: SINGLE CYST, 2 MM IN DIAMETER, FILLED WITH A DARK RED FLUID	PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		URINARY BLADDER (UB) : -CALCULUS,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92318 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 789.0 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 9:48 PROSECTOR: DENNIS HOFFMAN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

DEATH COMMENT (DC) :
-SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92319 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 649.5 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 13:09 PROSECTOR: JARED FISHEL RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
>MASS(ES); VENTRAL-THORACIC-RIGHT; WEEK 82; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED		PANCREAS (PA) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT
		THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
		TESTIS (TE) : -B-INTERSTITIAL CELL TUMOR,-NEOPLASM PRESENT
	SKIN (SK) : -MASS(ES); RIGHT THORACIC REGION: SINGLE MASS, 15 MM IN DIAMETER, TAN AND FIRM; SAME ON CUT SURFACE (CAP 22); REGIONAL LN (AXILLARY) NORMAL (CAP 23)	SKIN (SK) : -ATROPHY, ADNEXAL,-MODERATE, FOCAL -B-FIBROMA,-NEOPLASM PRESENT
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); RIGHT ASPECT: SINGLE DARK RED AREA, 2 MM IN DIAMETER	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92319 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 649.5 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 13:09 PROSECTOR: JARED FISHEL RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-MALOCCLUSION; BILATERAL, UPPER INCISORS
-BONE MARROW SMEAR TAKEN

- - - -

APPENDIX 6

Covance 6329-228
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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92320 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 717.0 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 10:15 PROSECTOR: TODD ACKER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DONIA MEYER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0399	.0056 %	.0167	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0353	.0049 %	.0148	WEIGHT TAKEN
BRAIN (BR)	2.3881	.3331 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.9368	.2701 %	.8110	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	2.1021	.2932 %	.8802	WEIGHT TAKEN
LIVER (LI)	18.0864	2.5225 %	7.5736	WEIGHT TAKEN
LUNG (LU)	1.8416	.2568 %	.7712	WEIGHT TAKEN
SPLEEN (SP)	1.0452	.1458 %	.4377	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.6298	.2273 %	.6825	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.5695	.2189 %	.6572	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0240	.0033 %	.0100	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0300	.0042 %	.0126	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

KIDNEY (KD) :
-MINERALIZATION, PELVIC,-SLIGHT, FOCAL
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
LIVER (LI) :
-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
PANCREAS (PA) :
-B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT
THYROID (TY) :
-CYST, FOLLICULAR,-SLIGHT, FOCAL

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92320 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 717.0 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 10:15 PROSECTOR: TODD ACKER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DONIA MEYER

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -LARGE; 6 X 5 X 3 MM; APPEARS SWOLLEN	PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BONE MARROW SMEAR TAKEN	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), TESTIS (TE)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92321 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 570.7 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 8:00 PROSECTOR: JAMES T. CALLEN RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT, MULTI-FOCAL
	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 5 X 3 MM; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : -DEGENERATION, CYSTIC,-MODERATE, FOCAL -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
		PANCREAS (PA) : -PIGMENT,-MINIMAL, MULTI-FOCAL
		THYROID (TY) : -CYST, FOLLICULAR,-MODERATE, FOCAL -CYST, ULTIMOBRANCHIAL,-PRESENT
	SKIN (SK) : -ABRASION(S)/ULCERATION(S); MID PERIANAL REGION: MULTIPLE TAN, MOIST ABRADED AREAS, UP TO 4 MM IN DIAMETER (CAP 22)	SKIN (SK) : -EROSION,-MODERATE, FOCAL -FIBROSIS,-MODERATE, FOCAL -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE, MULTI-FOCAL
		URINARY BLADDER (UB) : -CALCULUS,-PRESENT
		DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92321 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 570.7 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 8:00 PROSECTOR: JAMES T. CALLEN RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS | NECROPSY | HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), TESTIS (TE)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92322 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 764.6 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 13:17 PROSECTOR: WENDY CHERRY RECORDER: PAMELA L. SCHULZ-STUEBER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BLOOD FILM TAKEN

HISTOPATHOLOGY

KIDNEY (KD) :
-CAST, PROTEINACEOUS,-SLIGHT, MULTI-FOCAL
LIVER (LI) :
-FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-SLIGHT, FOCAL
-HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL
-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
-VACUOLATION, HEPATOCELLULAR,-MINIMAL, FOCAL
PANCREAS (PA) :
-ATROPHY, ACINAR,-MINIMAL, MULTI-FOCAL
THYROID (TY) :
-HYPERPLASIA, FOLLICULAR CELL,-MODERATE, FOCAL
TESTIS (TE) :
-MINERALIZATION, VASCULAR,-MINIMAL, FOCAL
DEATH COMMENT (DC) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92322 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 764.6 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 13:17 PROSECTOR: WENDY CHERRY RECORDER: PAMELA L. SCHULZ-STUEBER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), URINARY BLADDER (UB)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92323 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 819.4 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 13:04 PROSECTOR: JODI THIEREN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; LIMITED USE; LIMB-HIND-LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE	KIDNEY (KD) : -LARGE PELVIS(ES); LEFT -ROUGH SURFACE, DIFFUSE; BILATERAL -LARGE; BILATERAL: EACH ARE 30 X 20 X 14 MM LIVER (LI) : -LIGHT FOCUS(I)/AREA(S); LEFT LATERAL LOBE: SINGLE TAN LINEAR AREA, 8 X 2 MM; COLLECTED ON ROUTINE SECTION -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS PANCREAS (PA) : -MASS(ES); DIFFUSE: MULTIPLE MASSES, UP TO 10 MM IN DIAMETER, TAN AND FIRM; SAME ON CUT SURFACE (CAP 24); REGIONAL LN (SEE PANCREATIC) THYROID (TY) : -LARGE; BILATERAL: EACH IS 9 X 5 X 3 MM	KIDNEY (KD) : -DILATATION, PELVIC,-PRESENT -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATELY SEVERE, DIFFUSE LIVER (LI) : -FIBROSIS, CAPSULAR,-SLIGHT, FOCAL -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MODERATE, MULTI-FOCAL -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT PANCREAS (PA) : -ATROPHY, ACINAR,-SLIGHT, MULTI-FOCAL -PIGMENT,-MINIMAL, MULTI-FOCAL -B-ADENOMA, ACINAR CELL,-NEOPLASM PRESENT -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT THYROID (TY) : >UNREMARKABLE

APPENDIX 6

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92323 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 819.4 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 13:04 PROSECTOR: JODI THIEREN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		TESTIS (TE) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
	SPLEEN (SP) : -LARGE; 51 X 14 X 8 MM	SPLEEN (SP) : >UNREMARKABLE
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: SINGLE DARK BROWN LINEAR AREA, 3 X 1 MM -THICKENED WALL; MUCOSA, DIFFUSE	STOMACH, GL (ST) : -EROSION,-MINIMAL, FOCAL
		DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT
	AORTA (AO) : -LARGE; DIFFUSE: 3 MM IN DIAMETER; COLLECTED	AORTA (AO) : >UNREMARKABLE
	LN, LUMBAR/ILIAC (LM) : -LARGE; LEFT, LUMBAR: 15 X 9 X 4 MM (RIGHT NOT IDENTIFIED) (CAP 26)	LN, LUMBAR/ILIAC (LM) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
		HEMATO NEOPLASIA (HN) : -M-SARCOMA, HISTIOCYTIC,-NEOPLASM PRESENT
	BILE DUCT (BD) : -LARGE; DIFFUSE: 2 MM IN DIAMETER (CAP 23)	BILE DUCT (BD) : >UNREMARKABLE
	LN, ANT MES/PANC (AP) : -DIFFUSELY RED; DARK RED (CAP 25)	LN, ANT MES/PANC (AP) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT, MULTI-FOCAL -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92323 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 819.4 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 13:04 PROSECTOR: JODI THIEREN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-BONE MARROW SMEAR TAKEN

- - - -

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92324 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 671.0 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 9:46 PROSECTOR: GREGORY CODDINGTON RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DONIA MEYER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0297	.0044 %	.0125	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0263	.0039 %	.0111	WEIGHT TAKEN
BRAIN (BR)	2.3771	.3543 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	2.4922	.3714 %	1.0484	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	2.7645	.4120 %	1.1630	WEIGHT TAKEN
LIVER (LI)	20.7937	3.0989 %	8.7475	WEIGHT TAKEN
LUNG (LU)	2.1598	.3219 %	.9086	WEIGHT TAKEN
SPLEEN (SP)	1.2150	.1811 %	.5111	WEIGHT TAKEN
LEFT TESTIS (TE0)	1.8989	.2830 %	.7988	WEIGHT TAKEN
RIGHT TESTIS (TE1)	1.9085	.2844 %	.8029	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0190	.0028 %	.0080	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0172	.0026 %	.0072	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT, MULTI-FOCAL
LIVER (LI) :
-DEGENERATION, CYSTIC,-MODERATE, FOCAL
PANCREAS (PA) :
-PIGMENT,-MINIMAL, MULTI-FOCAL
THYROID (TY) :
-CYST, ULTIMOBRANCHIAL,-PRESENT
DEATH COMMENT (DC) :
-SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92324 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 671.0 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 9:46 PROSECTOR: GREGORY CODDINGTON RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DONIA MEYER

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), TESTIS (TE)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92325 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/07/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 591.5 GRAMS
DATE AND TIME OF NECROPSY: 07/07/98 8:48 PROSECTOR: JODI THIEREN RECORDER: MATTHEW AXTMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	20.3850	3.4463 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RIGHT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92325 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/07/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 591.5 GRAMS
DATE AND TIME OF NECROPSY: 07/07/98 8:48 PROSECTOR: JODI THIEREN RECORDER: MATTHEW AXTMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92326 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/07/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 491.6 GRAMS
DATE AND TIME OF NECROPSY: 07/07/98 8:37 PROSECTOR: LYNN HORNER RECORDER: MATTHEW AXTMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DEBBIE PIRKEL

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS	

- - - -

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92327 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/07/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 489.6 GRAMS
DATE AND TIME OF NECROPSY: 07/07/98 9:13 PROSECTOR: JODI THIEREN RECORDER: MATTHEW AXTMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	14.0186	2.8633 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RIGHT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS	

APPENDIX 6

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92327 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/07/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 489.6 GRAMS
DATE AND TIME OF NECROPSY: 07/07/98 9:13 PROSECTOR: JODI THIEREN RECORDER: MATTHEW AXTMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92328 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/07/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 492.6 GRAMS
DATE AND TIME OF NECROPSY: 07/07/98 8:54 PROSECTOR: LYNN HORNER RECORDER: MATTHEW AXTMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	15.1771	3.0810 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RIGHT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS	

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92328 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/07/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 492.6 GRAMS
DATE AND TIME OF NECROPSY: 07/07/98 8:54 PROSECTOR: LYNN HORNER RECORDER: MATTHEW AXTMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92329 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 04/28/98 STUDY DAY OF DEATH: 23 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 285.4 GRAMS
DATE AND TIME OF NECROPSY: 04/28/98 8:16 PROSECTOR: TERRI L. WILLIAMS RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TROY ELLENBECKER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	10.4029	3.6450 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RIGHT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; UNVERIFIED AT NECROPSY	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS	

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92329 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 04/28/98 STUDY DAY OF DEATH: 23 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 285.4 GRAMS
DATE AND TIME OF NECROPSY: 04/28/98 8:16 PROSECTOR: TERRI L. WILLIAMS RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TROY ELLENBECKER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92330 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/07/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 560.7 GRAMS
DATE AND TIME OF NECROPSY: 07/07/98 8:54 PROSECTOR: JODI THIEREN RECORDER: MATTHEW AXTMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	17.2000	3.0676 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LEFT TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RIGHT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS	

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92330 SEX: MALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
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DATE AND TIME OF NECROPSY: 07/07/98 8:54 PROSECTOR: JODI THIEREN RECORDER: MATTHEW AXTMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), TESTIS (TE), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), MAMMARY, MALE (MM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

COVANCE
THE DEVELOPMENT SERVICES COMPANY

Sponsor:

3M
St. Paul, Minnesota

FINAL REPORT

Study Title:

104-Week Dietary Carcinogenicity Study with Narrow Range (98.1%) N-Ethyl Perfluorooctanesulfonamido Ethanol in Rats

Author:

Peter J. Thomford, PhD

Study Completion Date:

December 13, 2001

Testing Facility:

Covance Laboratories Inc.
3301 Kinsman Boulevard
Madison, Wisconsin 53704-2595

Laboratory Study Identification:

Covance 6329-228

Sponsor Study Identification:

3M T-6316.1

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APPENDIX 6 (Continued)

Individual Anatomic Pathology Data

APPENDIX 6

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92331 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/06/00 STUDY DAY OF DEATH: 641 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: 273.0 GRAMS
DATE AND TIME OF NECROPSY: 01/06/00 15:06 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 42; 60 X 40MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) : -MOTTLED; ALL LLOBES: TAN AND FIRM	LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		PARATHYROID (PT) : >SECTION EXAMINED; TISSUE NOT PRESENT
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED	MAMMARY, FEMALE (MF) :	MAMMARY, FEMALE (MF) :
>RESPIRATION; IRREGULAR; VERIFIED AT NECROPSY: NOT APPLICABLE	-MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 75 X 40 X 15 MM, RED,	-GALACTOCELE,-MINIMAL, MULTI-FOCAL
>BEHAVIOR; COLD TO TOUCH; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE	DARK RED, GREEN, TAN, FIRM AND LOBULATED; SAME ON CUT SURFACE;	-HEMORRHAGE,-MODERATE, MULTI-FOCAL -PIGMENT,-MODERATELY SEVERE, MULTI-FOCAL
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE	COLLECTED; REGIONAL LN (AXILLARY) NOT IDENTIFIED	-B-ADENOMA,- 2 NEOPLASMS PRESENT
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	-MASS #2; LEFT INGUINAL REGION: SINGLE MASS, 35 X 25 X 25 MM, RED, DARK RED, TAN AND BROWN; ON SECTION, EXUDES A BROWN SEMIFLUID; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	
		EYE (EY) : -INFLAMMATION, ACUTE, CILIARY,-MODERATELY SEVERE, FOCAL

APPENDIX 6

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92331 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/06/00 STUDY DAY OF DEATH: 641 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: 273.0 GRAMS
DATE AND TIME OF NECROPSY: 01/06/00 15:06 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT MUSCLE, SKELETAL (SM) : -MINERALIZATION,-SLIGHT, MULTI-FOCAL HEART (HT) : -DEGENERATION/NECROSIS,-SLIGHT, MULTI-FOCAL -FIBROSIS,-MINIMAL, MULTI-FOCAL
	LN, MESENTERIC (MS) : -DIFFUSELY RED; DARK RED	LN, MESENTERIC (MS) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL, MULTI-FOCAL ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL -PIGMENT,-MINIMAL, MULTI-FOCAL -THROMBUS,-MINIMAL, MULTI-FOCAL ADRENAL, MEDULLA (MA) : -HYPERPLASIA, MEDULLARY,-MODERATE, FOCAL
	PITUITARY (PI) : -MASS(ES); 11 X 8 X 6 MM, RED, DARK RED, GREY, TAN AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	VAGINA (VA) : -SEMIFLUID MATERIAL; WITHIN LUMEN: GREEN MATERIAL	VAGINA (VA) : >UNREMARKABLE

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL; COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -STAINS-PERINEUM/PERIANAL; DARK YELLOW AND BROWN -DISCHARGE-OCULAR; BILATERAL: RED -ANIMAL THIN	LN, MANDIBULAR (MN) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL

APPENDIX 6

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), THYROID (TY), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), NERVE, SCIATIC (SN), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92332 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 04/28/98 STUDY DAY OF DEATH: 23 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 185.7 GRAMS
DATE AND TIME OF NECROPSY: 04/28/98 8:56 PROSECTOR: TERRI L. WILLIAMS RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TROY ELLENBECKER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	7.0862	3.8159 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LEFT OVARY (OV0)	--------	--------	--------	NOT TAKEN
RIGHT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; UNVERIFIED AT NECROPSY	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS	

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TROY ELLENBECKER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
HEMATO NEOPLASIA (HN)

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Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92333 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 580.3 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 10:20 PROSECTOR: TONY HANFELD RECORDER: PAMELA L. SCHULZ-STUEBER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT, FOCAL KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL
	ADRENAL, CORTEX (AC) : -LARGE; RIGHT: 9 X 6 X 6 MM (LEFT IS 4 X 4 X 2 MM)	ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-SEVERE, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL
		RECTUM (RE) : -PARASITISM,-PRESENT UTERUS (UT) : -DILATATION,-MINIMAL, FOCAL
	OVARY (OV) : -CYST(S); LEFT: SINGLE DARK RED FLUID FILLED CYST, 4 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT
		DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92334 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 656.7 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 11:21 PROSECTOR: JAMES T. CALLEN RECORDER: PAMELA L. SCHULZ-STUEBER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LUNG (LU) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
	LIVER (LI) : -RED FOCUS(I)/AREA(S); DIAPHRAGMATIC SURFACE OF RIGHT MEDIAN LOBE: SINGLE DARK RED AREA, 4 X 3 MM; COLLECTED ON ROUTINE SECTION	LIVER (LI) : >UNREMARKABLE
		THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT -B-ADENOMA, C-CELL,-NEOPLASM PRESENT MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL -FIBROSIS,-MINIMAL, MULTI-FOCAL
	PITUITARY (PI) : -LARGE; 7 X 6 X 3 MM -DIFFUSELY RED; DARK RED	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE BLACK AREAS, UP TO 3 X 2 MM	STOMACH, GL (ST) : >UNREMARKABLE

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS | NECROPSY | HISTOPATHOLOGY

DEATH COMMENT (DC) :
-SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-BONE MARROW SMEAR TAKEN

- - - -

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92335 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/29/98 STUDY DAY OF DEATH: 54 STUDY WEEK OF DEATH: 8 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 05/29/98 13:05 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; SWOLLEN; MOUTH; VERIFIED AT NECROPSY: OBSERVED >SACRIFICE; SACRIFICE APPROVED BY; VETERINARIAN; VERIFIED AT NECROPSY: NOT APPLICABLE	CAVITY, ORAL (OC) : -ABRASION(S)/ULCERATION(S); TISSUE SURROUNDING BILATERAL, UPPER INCISORS: SINGLE DARK RED ABRADED AREA, 5 X 4 MM; TISSUE APPEARS SWOLLEN; COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL: UPPER INCISORS	KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL DEATH COMMENT (DC) : -ORAL EROSION,-PRESENT CAVITY, ORAL (OC) : -EDEMA,-MODERATE, FOCAL -EROSION,-MODERATE, FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL -INFLAMMATION, ACUTE,-SLIGHT, MULTI-FOCAL

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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DATE AND TIME OF NECROPSY: 05/29/98 13:05 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

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Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92336 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/27/99 STUDY DAY OF DEATH: 570 STUDY WEEK OF DEATH: 82 TERMINAL BODY WEIGHT: 358.9 GRAMS
DATE AND TIME OF NECROPSY: 10/27/99 14:40 PROSECTOR: JOHN S. HALFORD RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-LEFT; WEEK 59; 60 X 70MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 75; 30 X 35MM; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -LIGHT FOCUS(I)/AREA(S); DIAPHRAGMATIC SURFACE OF LEFT MEDIAN LOBE, ALONG MARGIN: SINGLE TAN AREA, 6 X 4 MM (CAP 20)	LIVER (LI) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL -NECROSIS, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL -PIGMENT,-MINIMAL, MULTI-FOCAL
>SKIN & PELAGE; SORE/SCAB; AXILLARY REGION-LEFT; VERIFIED AT NECROPSY: OBSERVED		THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT
>SKIN & PELAGE; SORE/SCAB; AXILLARY REGION-RIGHT; VERIFIED AT NECROPSY: OBSERVED	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 46 X 35 X 21 MM, RED, DARK RED, GRAY, TAN, VASCULAR, LOBULATED, AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (AXILLARY) NORMAL (CAP 19); OVERLYING SKIN HAS A SINGLE, DRY, TAN, AND BROWN ULCERATED AREA, 32 X 32 MM; COLLECTED INTACT WITH MASS	MAMMARY, FEMALE (MF) : -GALACTOCELE,-SEVERE, MULTI-FOCAL -INFLAMMATION, ACUTE,-MODERATELY SEVERE, MULTI-FOCAL -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE TAN, CREAMY SEMIFLUID FILLED CYSTS, UP TO 8 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM (CAP 18) -MASS #2; RIGHT AXILLARY REGION: SINGLE MASS, 35 X 21 X 18 MM, GRAY, TAN, LOBULATED, AND SOFT; ON SECTION, EXUDES A GREEN CASEOUS MATERIAL; COLLECTED INTACT; REGIONAL LN (AXILLARY) NORMAL (CAP 19); OVERLYING SKIN HAS A SINGLE DRY, BROWN CRUSTED AREA, 20 X 18 MM; COLLECTED INTACT WITH MASS	
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE, MULTI-FOCAL
	ADRENAL, CORTEX (AC) : -LARGE; LEFT: 7 MM IN DIAMETER (RIGHT IS 4 X 4 X 3 MM)	ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-SEVERE, FOCAL -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -VACUOLATION,-MINIMAL, MULTI-FOCAL

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Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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ANIMAL NUMBER: C92336 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
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DATE AND TIME OF NECROPSY: 10/27/99 14:40 PROSECTOR: JOHN S. HALFORD RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 7 X 6 X 5 MM, RED, DARK RED, GRAY, LOBULATED, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT
		LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOCYTIC,-SLIGHT, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92337 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/26/99 STUDY DAY OF DEATH: 569 STUDY WEEK OF DEATH: 82 TERMINAL BODY WEIGHT: 410.3 GRAMS
DATE AND TIME OF NECROPSY: 10/26/99 14:35 PROSECTOR: JOHN S. HALFORD RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL; WEEK 50; 35 X 30MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL
>MASS(ES); INGUINAL REGION-RIGHT; WEEK 76; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 4 X 3 MM; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : >UNREMARKABLE
>EYES; RED DISCHARGE; EYE-LEFT; VERIFIED AT NECROPSY: OBSERVED		
>APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE		THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 45 X 30 X 21 MM, RED, DARK RED, GRAY, TAN, LOBULATED AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (SEE INGUINAL) -CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE TAN CREAMY SEMIFLUID FILLED CYSTS, UP TO 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM (CAP 18); POSSIBLY CONSISTENT WITH MASS (RIGHT INGUINAL REGION) AS NOTED IN CLINICAL OBSERVATIONS	MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATE, MULTI-FOCAL -MINERALIZATION,-MINIMAL, MULTI-FOCAL -NECROSIS,-MODERATELY SEVERE, FOCAL -PIGMENT,-MODERATE, MULTI-FOCAL -M-CARCINOMA,-NEOPLASM PRESENT
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92337 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/26/99 STUDY DAY OF DEATH: 569 STUDY WEEK OF DEATH: 82 TERMINAL BODY WEIGHT: 410.3 GRAMS
DATE AND TIME OF NECROPSY: 10/26/99 14:35 PROSECTOR: JOHN S. HALFORD RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT
		LN, MESENTERIC (MS) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL, MULTI-FOCAL
	ADRENAL, CORTEX (AC) : -SMALL; BILATERAL: EACH IS 4 X 3 X 3 MM; RIGHT IS GELATINOUS	ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MINIMAL, MULTI-FOCAL -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -PIGMENT,-MINIMAL, MULTI-FOCAL
	PITUITARY (PI) : -MASS(ES); 10 X 8 X 7 MM, RED, GRAY, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-MINIMAL, FOCAL
	OVARY (OV) : -CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 3 MM IN DIAMETER	OVARY (OV) : >UNREMARKABLE
		DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT
	LN, INGUINAL (IN) : -LARGE; LEFT: UP TO 6 X 5 X 4 MM (RIGHT NOT IDENTIFIED); SOME APPEAR FIRM (CAP 19)	LN, INGUINAL (IN) : -N-MAMMARY CARCINOMA,-NEOPLASM PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; LEFT: DRY, RED MATERIAL	

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92337 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/26/99 STUDY DAY OF DEATH: 569 STUDY WEEK OF DEATH: 82 TERMINAL BODY WEIGHT: 410.3 GRAMS
DATE AND TIME OF NECROPSY: 10/26/99 14:35 PROSECTOR: JOHN S. HALFORD RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92338 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/02/99 STUDY DAY OF DEATH: 484 STUDY WEEK OF DEATH: 70 TERMINAL BODY WEIGHT: 302.4 GRAMS
DATE AND TIME OF NECROPSY: 08/02/99 14:20 PROSECTOR: DENNIS HOFFMAN RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; RED HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -MINERALIZATION, PELVIC,-MINIMAL, FOCAL
>SKIN & PELAGE; RED HAIR COAT; VENTRAL-CERVICAL; VERIFIED AT NECROPSY: OBSERVED		THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 12 X 14 X 25 MM, FIRM, LOBULATED, AND TAN; SAME ON CUT SURFACE (CAP 18); REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE		
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
		ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT, MULTI-FOCAL -DEGENERATION, CYSTIC, CORTICAL,-MODERATE, FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 7 X 8 X 13 MM, SOFT, RED, AND DARK RED	PITUITARY (PI) : -CYST,-PRESENT -HEMORRHAGE,-SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 08/02/99 14:20 PROSECTOR: DENNIS HOFFMAN RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-STAINS - SKIN/HAIRCOAT; ENTIRE
VENTRAL SURFACE: DRY RED MATERIAL

HISTOPATHOLOGY

DEATH COMMENT (DC) :
-PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92338 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/02/99 STUDY DAY OF DEATH: 484 STUDY WEEK OF DEATH: 70 TERMINAL BODY WEIGHT: 302.4 GRAMS
DATE AND TIME OF NECROPSY: 08/02/99 14:20 PROSECTOR: DENNIS HOFFMAN RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), LIVER (LI), PANCREAS (PA), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92339 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/17/00 STUDY DAY OF DEATH: 652 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/17/00 10:40 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 66; 90 X 80MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL LIVER (LI) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT INGUINAL REGION: SINGLE MASS, 111 X 80 X 35 MM (153.0 GRAMS), RED, TAN, LOBULATED, VASCULAR, AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (INGUINAL) NOT IDENTIFIED; POSSIBLY CONSISTENT WITH MASS (VENTRAL ABDOMINAL RIGHT) NOTED IN CLINICAL OBSERVATIONS	MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL -PIGMENT,-MODERATE, FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT
		HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL -FIBROSIS,-MINIMAL, MULTI-FOCAL ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL PITUITARY (PI) : -CYST,-PRESENT

APPENDIX 6

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Individual Anatomic Pathology Data

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DATE AND TIME OF NECROPSY: 01/17/00 10:40 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -DARK FOCUS(I)/AREA(S); DIFFUSE: MULTIPLE BROWN AREAS, UP TO 2 X 1 MM -LARGE; 7 X 7 X 3 MM; APPEARS SWOLLEN	PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -PIGMENT,-MINIMAL, FOCAL -B-ADENOMA,-NEOPLASM PRESENT HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL DUODENUM (DU) : >AUTOLYTIC JEJUNUM (JE) : >AUTOLYTIC ILEUM (IL) : >AUTOLYTIC DEATH COMMENT (DC) : -MAMMARY FIBROADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), GENERAL COMMENT (GC), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92340 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/05/99 STUDY DAY OF DEATH: 548 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 488.1 GRAMS
DATE AND TIME OF NECROPSY: 10/05/99 15:40 PROSECTOR: JILL PAUS RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 44; 100 X 85MM; VERIFIED AT NECROPSY: NOT OBSERVED	KIDNEY (KD) : -DIFFUSELY DARK; BILATERAL: BROWN	KIDNEY (KD) : -MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL -PYELONEPHRITIS,-SLIGHT, FOCAL
>MASS(ES); VENTRAL-THORACIC-LEFT; WEEK 74; 35 X 20MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL
>MASS(ES); VENTRAL-ABDOMINAL; WEEK 74; 35 X 30MM; VERIFIED AT NECROPSY: OBSERVED		THYROID (TY) : -MINERALIZATION,-MINIMAL, FOCAL
>SKIN & PELAGE; BLACK SKIN; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: NOT OBSERVED	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 40 X 30 X 20 MM, RED, DARK RED, TAN, AND SOFT; ON SECTION EXUDES A BROWN SEMIFLUID (CAP 20); REGIONAL LN (SEE AXILLARY)	MAMMARY, FEMALE (MF) : -GALACTOCELE,-SEVERE, MULTI-FOCAL -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT
>SKIN & PELAGE; BLACK SKIN; VENTRAL-THORACIC-LEFT; VERIFIED AT NECROPSY: NOT OBSERVED		
>MASS(ES); INGUINAL REGION-LEFT; WEEK 79; 30 X 35MM; VERIFIED AT NECROPSY: OBSERVED	-MASS #2; LEFT INGUINAL REGION: SINGLE MASS, 90 X 75 X 45 MM (144.2 GRAMS), RED, DARK RED, TAN, FIRM, AND LOBULATED; SAME ON CUT SURFACE (CAP 18,21); REGIONAL LN (INGUINAL) NOT IDENTIFIED	

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS #3; VENTRAL ABDOMINAL REGION: SINGLE MASS, 60 X 40 X 20 MM, RED, DARK RED, TAN, AND SOFT; SAME ON CUT SURFACE; SOME SECTIONS EXUDE A BROWN SEMIFLUID (CAP 22); REGIONAL LN (SEE AXILLARY)	
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT
		HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL
	ADRENAL, CORTEX (AC) : -LIGHT FOCUS (I)/AREA(S); BILATERAL: MULTIPLE TAN PINPOINT FOCI	ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-MINIMAL, MULTI-FOCAL
	PITUITARY (PI) : -MASS(ES); 11 X 7 X 7 MM, RED, DARK RED, TAN, AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT
	LN, AXILLARY (AX) : -LARGE; LEFT: 13 X 7 X 4 MM (RIGHT IS 4 X 3 X 2 MM) (CAP 19)	LN, AXILLARY (AX) : >UNREMARKABLE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: RED AND DRY -ANIMAL THIN	

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

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N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92341 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 505.0 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 10:53 PROSECTOR: GREGORY CODDINGTON RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DONIA MEYER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0350	.0069 %	.0160	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0283	.0056 %	.0130	WEIGHT TAKEN
BRAIN (BR)	2.1849	.4327 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.7424	.3450 %	.7975	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.8779	.3719 %	.8595	WEIGHT TAKEN
LIVER (LI)	13.3619	2.6459 %	6.1156	WEIGHT TAKEN
LUNG (LU)	1.5514	.3072 %	.7101	WEIGHT TAKEN
LEFT OVARY (OV0)	.0415	.0082 %	.0190	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0362	.0072 %	.0166	WEIGHT TAKEN
SPLEEN (SP)	.5689	.1127 %	.2604	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0139	.0028 %	.0064	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0147	.0029 %	.0067	WEIGHT TAKEN
UTERUS (UT)	.9924	.1965 %	.4542	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 53; 10 X 10MM; VERIFIED AT NECROPSY: NOT OBSERVED		KIDNEY (KD) : -CYST,-SLIGHT, MULTI-FOCAL -MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL
	MAMMARY, FEMALE (MF) : -CYST(S); VENTRAL ABDOMINAL REGION: MULTIPLE TAN CREAMY SEMIFLUID FILLED CYSTS, UP TO 12 MM IN DIAMETER (CAP 19)	MAMMARY, FEMALE (MF) : -GALACTOCELE,-SEVERE, MULTI-FOCAL
		ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT, MULTI-FOCAL

APPENDIX 6

Covance 6329-228
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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92341 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 505.0 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 10:53 PROSECTOR: GREGORY CODDINGTON RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DONIA MEYER

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-MODERATE, FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); DIFFUSE: MULTIPLE DARK RED AREAS, UP TO 1 MM IN DIAMETER	PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, FOCAL -PIGMENT,-MINIMAL, FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		CECUM (CE) : -EDEMA,-SLIGHT, MULTI-FOCAL
		UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-MINIMAL, MULTI-FOCAL -INFLAMMATION, ACUTE,-MINIMAL, MULTI-FOCAL
		DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: DARK RED; COLLECTED	LN, MANDIBULAR (MN) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92341 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 505.0 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 10:53 PROSECTOR: GREGORY CODDINGTON RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DONIA MEYER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), OVARY (OV), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92342 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/15/99 STUDY DAY OF DEATH: 344 STUDY WEEK OF DEATH: 50 TERMINAL BODY WEIGHT: 268.1 GRAMS
DATE AND TIME OF NECROPSY: 03/15/99 11:31 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED >RESPIRATION; AUDIBLE; VERIFIED AT NECROPSY: NOT APPLICABLE >EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	PITUITARY (PI) : -DARK FOCUS(I)/AREA(S); LEFT POSTERIOR ASPECT: SINGLE DARK BROWN AREA, 3 MM IN DIAMETER CALVARIUM/SKULL (CA) : -FRACTURE; AT FIRST RUGAE: SURROUNDING SOFT TISSUE IS DARK RED AND GELATINOUS; COLLECTED	LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL THYROID (TY) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATE, MULTI-FOCAL ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT DEATH COMMENT (DC) : -FRACTURED CALVARIUM,-PRESENT CALVARIUM/SKULL (CA) : -CYST, KERATIN,-PRESENT -FRACTURE,-PRESENT -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL

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Covance 6329-228
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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92342 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/15/99 STUDY DAY OF DEATH: 344 STUDY WEEK OF DEATH: 50 TERMINAL BODY WEIGHT: 268.1 GRAMS
DATE AND TIME OF NECROPSY: 03/15/99 11:31 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-MALOCCLUSION; BILATERAL, UPPER INCISORS
-STAINS-PERINEUM/PERIANAL; YELLOW, MOIST MATERIAL
-GI TRACT-LARGE LUMEN; ENTIRE GI TRACT: DISTENDED WITH GAS
-DISCHARGE-OCULAR; BILATERAL: RED, DRY MATERIAL
-DISCHARGE-NASAL; RED, DRY MATERIAL

HISTOPATHOLOGY

CALVARIUM/SKULL (CA) :
-INFLAMMATION, ACUTE,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92342 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/15/99 STUDY DAY OF DEATH: 344 STUDY WEEK OF DEATH: 50 TERMINAL BODY WEIGHT: 268.1 GRAMS
DATE AND TIME OF NECROPSY: 03/15/99 11:31 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LIVER (LI), PANCREAS (PA), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92343 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/10/99 STUDY DAY OF DEATH: 400 STUDY WEEK OF DEATH: 58 TERMINAL BODY WEIGHT: 398.0 GRAMS
DATE AND TIME OF NECROPSY: 05/10/99 14:21 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); SHOULDER-RIGHT; WEEK 19; 65 X 60MM; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; SORE/SCAB; SHOULDER-RIGHT; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT, MULTI-FOCAL -MINERALIZATION, PELVIC,-SLIGHT, FOCAL -PYELONEPHRITIS,-MINIMAL, MULTI-FOCAL
	LIVER (LI) : -DIFFUSELY LIGHT; ALL LOBES: TAN	LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL
		SKIN (SK) : -EROSION,-MODERATELY SEVERE, FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL -INFLAMMATION, ACUTE,-MODERATE, MULTI-FOCAL
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 80 X 50 X 25 MM, RED, TAN, FIRM, AND LOBULATED; SAME ON CUT SURFACE; COLLECTED; OVERLYING SKIN HAS A MOIST, RED, ULCERATED AREA, 25 MM IN DIAMETER; COLLECTED INTACT WITH MASS; REGIONAL LN (AXILLARY) NORMAL (CAP 18)	MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATE, MULTI-FOCAL -NECROSIS,-MODERATE, FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT
		SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92343 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/10/99 STUDY DAY OF DEATH: 400 STUDY WEEK OF DEATH: 58 TERMINAL BODY WEIGHT: 398.0 GRAMS
DATE AND TIME OF NECROPSY: 05/10/99 14:21 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT, MULTI-FOCAL -DEGENERATION, CYSTIC, CORTICAL,-MODERATE, FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); LEFT ASPECT: SINGLE DARK RED FOCUS, 1 MM IN DIAMETER	PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		DEATH COMMENT (DC) : -UNDETERMINED,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -GI TRACT-DARK FLUID CONTENT; ENTIRE GI TRACT: DARK BROWN, TENACIOUS SEMIFLUID	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 05/10/99 14:21 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, AXILLARY (AX), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92344 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/27/00 STUDY DAY OF DEATH: 722 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: 375.3 GRAMS
DATE AND TIME OF NECROPSY: 03/27/00 8:40 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED >BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE >APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE	LUNG (LU) : -LIGHT FOCUS(I)/AREA(S); TRIMMING COMMENT: ALONG CAUDAL MARGIN OF LEFT LOBE: SINGLE TAN AREA, 3 MM IN DIAMETER; SUBMITTED IN BLOCK 22 MAMMARY, FEMALE (MF) : -THICKENED; ALL REGIONS: DIFFUSE; COLLECTED ON ROUTINE SECTION BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) PITUITARY (PI) : -MASS(ES); 11 X 8 X 7 MM, DARK RED AND SOFT	LUNG (LU) : -INFLAMMATION, CHRONIC,-SLIGHT, MULTI-FOCAL -INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT, MULTI-FOCAL KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, FOCAL MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE, MULTI-FOCAL -DEGENERATION, CYSTIC, CORTICAL,-MODERATELY SEVERE, FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL PITUITARY (PI) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92344 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/27/00 STUDY DAY OF DEATH: 722 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: 375.3 GRAMS
DATE AND TIME OF NECROPSY: 03/27/00 8:40 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	ILEUM (IL) : -LARGE LYMPHOID AREA(S); DIFFUSE: UP TO 5 X 2 MM; COLLECTED ON ROUTINE SECTION	ILEUM (IL) : >UNREMARKABLE
		URINARY BLADDER (UB) : -INFLAMMATION, CHRONIC,-MINIMAL, FOCAL
		UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-MODERATELY SEVERE, FOCAL
	VAGINA (VA) : -SEMIFLUID MATERIAL; WITHIN LUMEN: CONTAINS A LIGHT GREEN SEMIFLUID MATERIAL	VAGINA (VA) : -INFLAMMATION, ACUTE,-MODERATELY SEVERE, FOCAL
		DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL: LOWER INCISORS -DISCHARGE-OCULAR; BILATERAL: DARK RED, DRY MATERIAL	

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Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92344 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/27/00 STUDY DAY OF DEATH: 722 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: 375.3 GRAMS
DATE AND TIME OF NECROPSY: 03/27/00 8:40 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), CECUM (CE), COLON (CO), RECTUM (RE), OVARY (OV), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92345 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/28/98 STUDY DAY OF DEATH: 206 STUDY WEEK OF DEATH: 30 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/28/98 14:06 PROSECTOR: DONIA MEYER RECORDER: DONIA MEYER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	KIDNEY (KD) : -LARGE PELVIS(ES); BILATERAL -LIGHT FOCUS(I)/AREA(S); LEFT: MULTIPLE TAN AREAS, UP TO 10 X 7 MM CERVIX (CV) : -LARGE; 10 MM IN DIAMETER	KIDNEY (KD) : -DILATATION, PELVIC,-PRESENT -MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL -MINERALIZATION, TUBULAR,-MODERATE, MULTI-FOCAL -PYELONEPHRITIS,-SEVERE, MULTI-FOCAL LN, MESENTERIC (MS) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL CERVIX (CV) : >UNREMARKABLE DEATH COMMENT (DC) : -PYELONEPHRITIS,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92345 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/28/98 STUDY DAY OF DEATH: 206 STUDY WEEK OF DEATH: 30 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/28/98 14:06 PROSECTOR: DONIA MEYER RECORDER: DONIA MEYER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), GENERAL COMMENT (GC), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), VAGINA (VA), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92346 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/14/99 STUDY DAY OF DEATH: 435 STUDY WEEK OF DEATH: 63 TERMINAL BODY WEIGHT: 247.5 GRAMS
DATE AND TIME OF NECROPSY: 06/14/99 14:35 PROSECTOR: TODD ACKER RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>WART LIKE LESION(S); NOSE; WEEK 46; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE >APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE >APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED >BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE >EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED	SKIN (SK) : -CRUSTED AREA(S); TIP OF NOSE: SINGLE BROWN, DRY AND RAISED AREA, 5 X 3 X 3 MM (CAP 18) BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) ADRENAL, CORTEX (AC) : -LARGE; RIGHT: 7 MM IN DIAMETER (FOR COMPARISON, LEFT IS 4 MM IN DIAMETER) PITUITARY (PI) : -MASS(ES); SINGLE MASS, 13 X 9 X 6 MM, DARK RED, BROWN AND SOFT	KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, FOCAL PARATHYROID (PT) : -FIBROSIS,-SLIGHT, MULTI-FOCAL SKIN (SK) : -B-PAPILLOMA, SQUAMOUS CELL,-NEOPLASM PRESENT MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL -MINERALIZATION,-MINIMAL, MULTI-FOCAL BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT, MULTI-FOCAL -DEGENERATION, CYSTIC, CORTICAL,-MODERATELY SEVERE, FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL PITUITARY (PI) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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DATE AND TIME OF NECROPSY: 06/14/99 14:35 PROSECTOR: TODD ACKER RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY -ANIMAL THIN	

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92347 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/01/99 STUDY DAY OF DEATH: 330 STUDY WEEK OF DEATH: 48 TERMINAL BODY WEIGHT: 209.8 GRAMS
DATE AND TIME OF NECROPSY: 03/01/99 14:26 PROSECTOR: TERRI L. WILLIAMS RECORDER: KEVIN BILLINGS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: NOT OBSERVED		KIDNEY (KD) : -CYST,-MODERATE, FOCAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED		MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE	BONE, STERNUM (SB) : -MISALIGNED; MANUBRIUM: EXTENDS INTO THORACIC CAVITY; COLLECTED INTACT WITH RIBCAGE	BONE, STERNUM (SB) : >UNREMARKABLE
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT
	PITUITARY (PI) : -MASS(ES); 13 X 11 X 5 MM; DARK RED, GRAY TAN AND SOFT; EXTENDS UNDER LEFT TRIGEMINAL NERVE	PITUITARY (PI) : >TISSUE MISSING
	OVARY (OV) : -DIFFUSELY RED; BILATERAL: DARK RED	OVARY (OV) : >UNREMARKABLE
		DEATH COMMENT (DC) : -OSTEOMA,-PRESENT
		NASAL TURBINATE (NT) : -B-OSTEOMA,-NEOPLASM PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -STAINS-PERINEUM/PERIANAL; MOIST YELLOW MATERIAL	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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DATE AND TIME OF NECROPSY: 03/01/99 14:26 PROSECTOR: TERRI L. WILLIAMS RECORDER: KEVIN BILLINGS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -GI TRACT-LIGHT FLUID CONTENT; STOMACH: YELLOW SEMIFLUID	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

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Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92348 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 422.3 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 9:49 PROSECTOR: JODI THIEREN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 101; 50 X 45MM; VERIFIED AT NECROPSY: OBSERVED		PANCREAS (PA) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-RIGHT; VERIFIED AT NECROPSY: OBSERVED		
>MASS(ES); VENTRAL-ABDOMINAL; WEEK 100; 60 X 40MM; VERIFIED AT NECROPSY: OBSERVED	THYROID (TY) : >NOTE:>THYROID/ PARATHYROID TAKEN OFF TRACHEA/ ESOPHAGUS AT NECROPSY	THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT
		PARATHYROID (PT) : -HYPERPLASIA,-SLIGHT, DIFFUSE
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 60 X 48 X 33 MM, TAN, RED, AND FIRM; ON SECTION, EXUDES A WHITE CREAMY SEMIFLUID (CAP 24); REGIONAL LN (SEE INGUINAL) -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTIONS	MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATELY SEVERE, MULTI-FOCAL -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92348 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 422.3 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 9:49 PROSECTOR: JODI THIEREN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS #2; RIGHT INGUINAL REGION: SINGLE MASS, 54 X 40 X 25 MM, TAN, RED, FIRM AND LOBULATED; ON CUT SURFACE, EXUDES A TAN CREAMY SEMIFLUID; COLLECTED; REGIONAL LN (SEE INGUINAL)	
		EYE (EY) : -FIBROSIS, CORNEAL,-SLIGHT, FOCAL -INFLAMMATION, ACUTE, CORNEAL,-MINIMAL, FOCAL -ULCERATION, CORNEAL,-MINIMAL, FOCAL
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : >UNREMARKABLE
		LN, MESENTERIC (MS) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL, MULTI-FOCAL
	THYMUS (TH) : -MASS(ES); LEFT LOBE: SINGLE MASS, 7 X 6 X 5 MM, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (SEE MEDIASTINAL)	THYMUS (TH) : -M-THYMIC CARCINOMA,-NEOPLASM PRESENT
		ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL -PIGMENT,-MINIMAL, MULTI-FOCAL -THROMBUS,-SLIGHT, MULTI-FOCAL

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92348 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 422.3 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 9:49 PROSECTOR: JODI THIEREN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 6 X 5 X 3 MM, RED, DARK RED, GRAY AND FIRM	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -PIGMENT,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL RECTUM (RE) : -PARASITISM,-PRESENT DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT
	LN, MANDIBULAR (MN) : -MOTTLED; BILATERAL: RED AND TAN (CAP 22) -LARGE; BILATERAL: EACH IS UP TO 10 X 6 X 2 MM	LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOCYTIC,-MODERATELY SEVERE, DIFFUSE
	FOOT/FOOTPAD (FP) : -CRUSTED AREA(S); RIGHT HIND FOOT: SINGLE RED, TAN, MOIST CRUSTED AREA, 12 X 9 MM; COLLECTED	FOOT/FOOTPAD (FP) : -EROSION,-MODERATELY SEVERE, FOCAL -FIBROSIS,-MODERATELY SEVERE, MULTI-FOCAL -INFLAMMATION, ACUTE,-MODERATELY SEVERE, MULTI-FOCAL
	LN, INGUINAL (IN) : -LARGE; LEFT: 10 X 6 X 3 MM (CAP 25) (RIGHT NOT IDENTIFIED)	LN, INGUINAL (IN) : -HYPERPLASIA, LYMPHOCYTIC,-MODERATELY SEVERE, DIFFUSE
	LN, MEDIASTINAL (ML) : -MOTTLED; RED AND TAN (CAP 23)	LN, MEDIASTINAL (ML) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92348 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 422.3 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 9:49 PROSECTOR: JODI THIEREN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -MALOCCLUSION; BILATERAL, LOWER INCISORS -BONE MARROW SMEAR TAKEN	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, AXILLARY (AX), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), LIVER (LI), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), SPLEEN (SP), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92349 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 09/28/99 STUDY DAY OF DEATH: 541 STUDY WEEK OF DEATH: 78 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 09/28/99 14:00 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-SLIGHT, FOCAL -MINERALIZATION, PELVIC,-SLIGHT, FOCAL THYROID (TY) : -B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT THYMUS (TH) : -CYST,-PRESENT ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 10 X 9 X 8 MM, RED, DARK RED, TAN, GRAY AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -MALOCCLUSION; BILATERAL: UPPER INCISORS	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92349 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 09/28/99 STUDY DAY OF DEATH: 541 STUDY WEEK OF DEATH: 78 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 09/28/99 14:00 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), LIVER (LI), PANCREAS (PA), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92350 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/21/00 STUDY DAY OF DEATH: 656 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 325.5 GRAMS
DATE AND TIME OF NECROPSY: 01/21/00 14:09 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE
>RESPIRATION; AUDIBLE; VERIFIED AT NECROPSY: NOT APPLICABLE
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE
>DISCHARGE; NASAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED
>DISCHARGE; OTHER; RED ORAL; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

PITUITARY (PI) :
-MASS(ES); 12 X 7 X 4 MM, DARK RED AND SOFT

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-DISCHARGE-OCULAR; BILATERAL: DRY RED MATERIAL
-DISCHARGE-NASAL; DRY RED MATERIAL
-DISCHARGE-ORAL; MOIST RED MATERIAL

HISTOPATHOLOGY

KIDNEY (KD) :
-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
-MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL
MAMMARY, FEMALE (MF) :
-GALACTOCELE,-SLIGHT, MULTI-FOCAL
BRAIN (BR) :
>UNREMARKABLE
ADRENAL, CORTEX (AC) :
-ANGIECTASIS,-MODERATE, FOCAL
-HEMORRHAGE,-MINIMAL, FOCAL
-THROMBUS,-MINIMAL, FOCAL
PITUITARY (PI) :
-HEMORRHAGE,-MODERATE, MULTI-FOCAL
-PIGMENT,-MINIMAL, MULTI-FOCAL
-B-ADENOMA,-NEOPLASM PRESENT
DEATH COMMENT (DC) :
-PITUITARY ADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92350 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/21/00 STUDY DAY OF DEATH: 656 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 325.5 GRAMS
DATE AND TIME OF NECROPSY: 01/21/00 14:09 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92351 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 417.8 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 13:40 PROSECTOR: JODI THIEREN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, FOCAL -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
	ADRENAL, CORTEX (AC) : -DARK FOCUS(I)/AREA(S); LEFT: SINGLE DARK BROWN FOCUS, 2 MM IN DIAMETER	ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL -PIGMENT,-MINIMAL, MULTI-FOCAL -THROMBUS,-SLIGHT, MULTI-FOCAL
	PITUITARY (PI) : -RAISED AREA(S); RIGHT ANTERIOR ASPECT: SINGLE TAN RAISED AREA, UP TO 1 MM IN DIAMETER	PITUITARY (PI) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
		DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92351 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 417.8 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 13:40 PROSECTOR: JODI THIEREN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92352 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 04/28/98 STUDY DAY OF DEATH: 23 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 215.4 GRAMS
DATE AND TIME OF NECROPSY: 04/28/98 8:59 PROSECTOR: MICHELE MARGGI RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TROY ELLENBECKER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	7.8244	3.6325 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LEFT OVARY (OV0)	--------	--------	--------	NOT TAKEN
RIGHT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; UNVERIFIED AT NECROPSY	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS	

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92352 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 04/28/98 STUDY DAY OF DEATH: 23 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 215.4 GRAMS
DATE AND TIME OF NECROPSY: 04/28/98 8:59 PROSECTOR: MICHELE MARGGI RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TROY ELLENBECKER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92353 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/01/00 STUDY DAY OF DEATH: 667 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 323.0 GRAMS
DATE AND TIME OF NECROPSY: 02/01/00 13:44 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		LUNG (LU) :
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		-MINERALIZATION, VASCULAR,-SLIGHT, FOCAL
>DISCHARGE; NASAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) :
>SKIN & PELAGE; BROWN HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: NOT OBSERVED		-MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL
>BEHAVIOR; ATAXIC; MODERATE; VERIFIED AT NECROPSY: NOT APPLICABLE		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
>APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) :
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE	MAMMARY, FEMALE (MF) :	-VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL
>SKIN & PELAGE; WARM TO TOUCH; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE	-CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE TAN CREAMY FLUID FILLED CYSTS, UP TO 6 MM IN DIAMETER (CAP 18)	THYROID (TY) :
	-THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	-CYST, ULTIMOBRANCHIAL,-PRESENT
	BRAIN (BR) :	MAMMARY, FEMALE (MF) :
	-COMPRESSED (HYPOTHALAMUS)	-GALACTOCELE,-MODERATELY SEVERE, MULTI-FOCAL
		-MINERALIZATION,-MINIMAL, MULTI-FOCAL
		BRAIN (BR) :
		-COMPRESSION, VENTRAL,-PRESENT
		-DILATATION, VENTRICULAR,-PRESENT
		ADRENAL, CORTEX (AC) :
		-ANGIECTASIS,-MODERATE, MULTI-FOCAL
		-HEMORRHAGE,-MODERATE, MULTI-FOCAL

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92353 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/01/00 STUDY DAY OF DEATH: 667 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 323.0 GRAMS
DATE AND TIME OF NECROPSY: 02/01/00 13:44 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -HYPERTROPHY,-MODERATE, MULTI-FOCAL
	PITUITARY (PI) : -MASS(ES); 8 X 7 X 6 MM, RED, DARK RED, GREY AND SOFT	PITUITARY (PI) : -CYST,-PRESENT -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -STAINS-PERINEUM/PERIANAL; YELLOW -DISCHARGE-OCULAR; LEFT: RED -DISCHARGE-NASAL; BILATERAL: RED	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92353 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/01/00 STUDY DAY OF DEATH: 667 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 323.0 GRAMS
DATE AND TIME OF NECROPSY: 02/01/00 13:44 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92354 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 385.5 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 11:11 PROSECTOR: DENNIS HOFFMAN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; AXILLARY REGION-RIGHT; VERIFIED AT NECROPSY: OBSERVED		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) : -LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN AND WHITE AREAS, UP TO 6 MM IN DIAMETER; SOME ARE SLIGHTLY RAISED; EXTRA SECTION (CAP 22)	LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MODERATE, MULTI-FOCAL -VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL -B-ADENOMA, HEPATOCELLULAR,- 3 NEOPLASMS PRESENT
>APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE	PANCREAS (PA) : -MASS(ES); ALONG DUODENUM: SINGLE MASS, 7 X 9 X 13 MM, FIRM, LOBULATED, RED, DARK RED AND TAN; SAME ON CUT SURFACE (CAP 24); REGIONAL LN (PANCREATIC) (CAP 25)	PANCREAS (PA) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA, ISLET CELL,- 3 NEOPLASMS PRESENT
	SKIN (SK) : -ABRASION(S)/ULCERATION(S); RIGHT AXILLARY REGION: SINGLE DARK RED AND BROWN ABRADED AREA, 8 MM IN DIAMETER (CAP 23)	SKIN (SK) : >UNREMARKABLE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92354 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 385.5 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 11:11 PROSECTOR: DENNIS HOFFMAN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL -M-CARCINOMA,-NEOPLASM PRESENT
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
		HEART (HT) : -METAPLASIA, CARTILAGE,-MODERATE, FOCAL
		ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 7 X 8 X 11 MM, FIRM, RED, DARK RED AND TAN	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -HYPERPLASIA, GLANDULAR,-MODERATE, FOCAL
		UTERUS (UT) : -DILATATION,-MODERATE, FOCAL -B-POLYP, ENDOMETRIAL, STROMAL,-NEOPLASM PRESENT
		DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -STAINS - SKIN/HAIRCOAT; HEAD AND ENTIRE VENTRAL SURFACE: DRY, RED MATERIAL	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92354 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 385.5 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 11:11 PROSECTOR: DENNIS HOFFMAN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), THYROID (TY), PARATHYROID (PT), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
THYROID (TY), PARATHYROID (PT), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), OVARY (OV), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN), LN, ANT MES/PANC (AP)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92355 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 04/28/98 STUDY DAY OF DEATH: 23 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 192.3 GRAMS
DATE AND TIME OF NECROPSY: 04/28/98 9:00 PROSECTOR: TERRI L. WILLIAMS RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TROY ELLENBECKER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	7.0644	3.6736 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LEFT OVARY (OV0)	--------	--------	--------	NOT TAKEN
RIGHT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; UNVERIFIED AT NECROPSY	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 04/28/98 9:00 PROSECTOR: TERRI L. WILLIAMS RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TROY ELLENBECKER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92356 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 368.0 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 10:31 PROSECTOR: TODD ACKER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DONIA MEYER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0453	.0123 %	.0202	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0347	.0094 %	.0155	WEIGHT TAKEN
BRAIN (BR)	2.2412	.6090 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.3414	.3645 %	.5985	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.3549	.3682 %	.6045	WEIGHT TAKEN
LIVER (LI)	10.1005	2.7447 %	4.5067	WEIGHT TAKEN
LUNG (LU)	1.4449	.3926 %	.6447	WEIGHT TAKEN
LEFT OVARY (OV0)	.0361	.0098 %	.0161	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0422	.0115 %	.0188	WEIGHT TAKEN
SPLEEN (SP)	.5418	.1472 %	.2417	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0110	.0030 %	.0049	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0140	.0038 %	.0062	WEIGHT TAKEN
UTERUS (UT)	.8728	.2372 %	.3894	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT
	MAMMARY, FEMALE (MF) : -CYST(S); BILATERAL INGUINAL REGIONS: MULTIPLE TAN CREAMY SEMIFLUID FILLED CYSTS, UP TO 6 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATELY SEVERE, MULTI-FOCAL -MINERALIZATION,-MINIMAL, MULTI-FOCAL
		ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT, MULTI-FOCAL

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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ANIMAL NUMBER: C92356 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 368.0 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 10:31 PROSECTOR: TODD ACKER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DONIA MEYER

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL
	PITUITARY (PI) : -DARK FOCUS(I)/AREA(S); LEFT ASPECT: SINGLE BLACK AREA, 3 X 1 MM -LARGE; 7 X 6 X 4 MM; APPEARS SWOLLEN	PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -MALOCCLUSION; BILATERAL UPPER INCISORS -BONE MARROW SMEAR TAKEN -TEETH MISSING/BROKEN/WORN; BILATERAL UPPER INCISORS: BROKEN 3 MM FORM BASE	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92356 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 368.0 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 10:31 PROSECTOR: TODD ACKER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DONIA MEYER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), LIVER (LI), PANCREAS (PA), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92357 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 605.8 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 8:47 PROSECTOR: TODD ACKER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DONIA MEYER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0527	.0087 %	.0251	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0429	.0071 %	.0204	WEIGHT TAKEN
BRAIN (BR)	2.1032	.3472 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.7928	.2959 %	.8524	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.9039	.3143 %	.9052	WEIGHT TAKEN
LIVER (LI)	17.4056	2.8732 %	8.2758	WEIGHT TAKEN
LUNG (LU)	1.4364	.2371 %	.6830	WEIGHT TAKEN
LEFT OVARY (OV0)	.0462	.0076 %	.0220	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0343	.0057 %	.0163	WEIGHT TAKEN
SPLEEN (SP)	.8142	.1344 %	.3871	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0212	.0035 %	.0101	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0180	.0030 %	.0086	WEIGHT TAKEN
UTERUS (UT)	1.3092	.2161 %	.6225	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

KIDNEY (KD) :
-CAST, PROTEINACEOUS,-SLIGHT, MULTI-FOCAL
-MINERALIZATION, PELVIC,-SLIGHT, FOCAL
ADRENAL, CORTEX (AC) :
-ANGIECTASIS,-MODERATE, MULTI-FOCAL
-DEGENERATION, CYSTIC, CORTICAL,-MODERATE, FOCAL
-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
ADRENAL, MEDULLA (MA) :
-B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92357 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 605.8 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 8:47 PROSECTOR: TODD ACKER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DONIA MEYER

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: SINGLE BLACK FOCUS, 3 MM IN DIAMETER	STOMACH, GL (ST) : >UNREMARKABLE
		UTERUS (UT) : -DILATATION,-SLIGHT, FOCAL
		DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL; COLLECTED	LN, MANDIBULAR (MN) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92357 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 605.8 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 8:47 PROSECTOR: TODD ACKER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DONIA MEYER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), OVARY (OV), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92358 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 351.0 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 9:40 PROSECTOR: WENDY CHERRY RECORDER: PAMELA L. SCHULZ-STUEBER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 84; 20 X 20MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: OBSERVED		PANCREAS (PA) : -ATROPHY, ACINAR,-MODERATE, MULTI-FOCAL
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY: SINGLE MASS, 20 X 17 X 15 MM, DARK RED, TAN, AND SOFT; CUT SURFACE CONTAINS A TAN FLUID; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 22)	MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATELY SEVERE, MULTI-FOCAL -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT -M-CARCINOMA,-NEOPLASM PRESENT
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
		LN, MESENTERIC (MS) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL, MULTI-FOCAL
		ADRENAL, CORTEX (AC) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -THROMBUS,-SLIGHT, MULTI-FOCAL
	PITUITARY (PI) : -MASS(ES); 12 X 11 X 8 MM, DARK RED, TAN AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		RECTUM (RE) : -PARASITISM,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92358 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 351.0 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 9:40 PROSECTOR: WENDY CHERRY RECORDER: PAMELA L. SCHULZ-STUEBER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-BONE MARROW SMEAR TAKEN
-STAINS - SKIN/HAIRCOAT; ENTIRE HEAD:
DARK RED AND DRY

HISTOPATHOLOGY

DEATH COMMENT (DC) :
-SCHEDULED SACRIFICE,-PRESENT

APPENDIX 6

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92358 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 351.0 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 9:40 PROSECTOR: WENDY CHERRY RECORDER: PAMELA L. SCHULZ-STUEBER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), LIVER (LI), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, AXILLARY (AX), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92359 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/13/00 STUDY DAY OF DEATH: 648 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/13/00 8:23 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 79; 30 X 30MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
>MASS(ES); AXILLARY REGION-LEFT; WEEK 92; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 40 X 32 X 25 MM, DARK RED, TAN, GRAY, AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 18) -CYST(S); BILATERAL PECTORAL REGIONS AND PERINEAL REGION: MULTIPLE TAN AND CREAMY SEMIFLUID FILLED CYSTS, UP TO 15 MM IN DIAMETER (CAP 19) -MASS #2; LEFT AXILLARY REGION: SINGLE MASS, 20 X 19 X 10 MM, DARK RED, TAN, GRAY, AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 18)	MAMMARY, FEMALE (MF) : -GALACTOCELE,-SEVERE, MULTI-FOCAL -B-FIBROADENOMA,- 3 NEOPLASMS PRESENT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED		
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT

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Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92359 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (D)
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DATE AND TIME OF NECROPSY: 01/13/00 8:23 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL THYMUS (TH) : -CYST,-PRESENT ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE, MULTI-FOCAL -DEGENERATION, CYSTIC, CORTICAL,-MODERATE, FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL
	PITUITARY (PI) : -MASS(ES); 9 X 8 X 6 MM, DARK RED, TAN, AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -PIGMENT,-SLIGHT, FOCAL -B-ADENOMA,-NEOPLASM PRESENT JEJUNUM (JE) : >AUTOLYTIC ILEUM (IL) : >AUTOLYTIC
	UTERUS (UT) : -CYST(S); LEFT, WITHIN WALL: SINGLE CLEAR FLUID FILLED CYST, 8 X 5 X 5 MM OVARY (OV) : -CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 7 MM IN DIAMETER	UTERUS (UT) : -DILATATION,-MODERATE, FOCAL OVARY (OV) : >UNREMARKABLE
		DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT LN, MEDIASTINAL (ML) : -INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT, MULTI-FOCAL

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE OF DEATH: 01/13/00 STUDY DAY OF DEATH: 648 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/13/00 8:23 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LN, MEDIASTINAL (ML) : >NOTE:>MEDIASTINAL LYMPH NODE WAS PRESENT ON THYMUS SLIDE

GENERAL COMMENT (GC) :
-DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY
-ANIMAL THIN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), LN, MESENTERIC (MS), SPLEEN (SP), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, AXILLARY (AX), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92360 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 585.2 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 11:24 PROSECTOR: TROY ELLENBECKER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 61; 80 X 65MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 92; 45 X 45MM; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE RED AREAS, UP TO 3 X 2 MM; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL -TELANGIECTASIS,-MINIMAL, FOCAL
>MASS(ES); AXILLARY REGION-LEFT; WEEK 96; 60 X 60MM; VERIFIED AT NECROPSY: OBSERVED	SKIN (SK) : >NOTE:>SKIN TAKEN FROM RIGHT SIDE DUE TO MASS ON LEFT SIDE	
>SKIN & PELAGE; BLUE SKIN; VENTRAL-ABDOMINAL-LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION, EXTENDS TO MID PERIANAL REGION: SINGLE MASS, 90 X 60 X 20 MM, RED, DARK RED, TAN AND SOFT; SAME ON CUT SURFACE; SOME AREAS EXUDE A REDDISH-BROWN SEMIFLUID; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED -MASS #2; LEFT AXILLARY REGION: SINGLE MASS, 50 X 40 X 35 MM, RED, DARK RED, TAN AND SOFT; SOME SECTIONS EXUDE A REDDISH-BROWN SEMIFLUID (CAP 23); REGIONAL LN (SEE AXILLARY)	MAMMARY, FEMALE (MF) : -FIBROSIS,-SEVERE, FOCAL -GALACTOCELE,-SEVERE, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL -MINERALIZATION,-SLIGHT, MULTI-FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT -M-CARCINOMA,- 2 NEOPLASMS PRESENT
>SKIN & PELAGE; SORE/SCAB; PAWS-HIND; VERIFIED AT NECROPSY: OBSERVED		

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92360 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 585.2 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 11:24 PROSECTOR: TROY ELLENBECKER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS #3; RIGHT AXILLARY REGION: SINGLE MASS, 50 X 40 X 25 MM, RED, TAN AND SOFT; ON SECTION, EXUDES A TAN CREAMY SEMIFLUID (CAP 25); REGIONAL LN (SEE AXILLARY) >NOTE:>MAMMARY TAKEN FROM RIGHT SIDE DUE TO MASS ON LEFT SIDE	
		BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT THYMUS (TH) : -CYST,-PRESENT ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT, MULTI-FOCAL -DEGENERATION, CYSTIC, CORTICAL,-MODERATE, FOCAL -HEMORRHAGE,-MINIMAL, MULTI-FOCAL
	PITUITARY (PI) : -MASS(ES); 8 X 6 X 3 MM, RED, DARK RED, TAN AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		RECTUM (RE) : -PARASITISM,-PRESENT
	UTERUS (UT) : -CYST(S); RIGHT, WITHIN HORN: SINGLE CLEAR FLUID FILLED CYST, 10 X 5 X 5 MM	UTERUS (UT) : -DILATATION,-MODERATELY SEVERE, FOCAL
	OVARY (OV) : -CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 2 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT

APPENDIX 6

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 04/04/00 11:24 PROSECTOR: TROY ELLENBECKER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT
	LN, AXILLARY (AX) : -LARGE; BILATERAL: LEFT IS 12 X 6 X 3 MM, RIGHT IS 10 X 5 X 2 MM (CAP 24) -MOTTLED; LEFT: RED AND TAN	LN, AXILLARY (AX) : >UNREMARKABLE
	FOOT/FOOTPAD (FP) : -CRUSTED AREA(S); BILATERAL HINDFEET: SINGLE TAN, DRY CRUSTED AREA ON EACH, EACH IS 3 MM IN DIAMETER; COLLECTED	FOOT/FOOTPAD (FP) : -EROSION,-SLIGHT, FOCAL -FIBROSIS,-MODERATELY SEVERE, MULTI-FOCAL -INFLAMMATION, ACUTE,-MODERATE, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92360 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 585.2 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 11:24 PROSECTOR: TROY ELLENBECKER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92361 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/07/00 STUDY DAY OF DEATH: 702 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: 664.1 GRAMS
DATE AND TIME OF NECROPSY: 03/07/00 13:36 PROSECTOR: DAVID SCHUETTE RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 73; 110 X 100MM; VERIFIED AT NECROPSY: OBSERVED		LUNG (LU) : -INFLAMMATION, CHRONIC,-MINIMAL, FOCAL -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL, FOCAL
>MASS(ES); AXILLARY REGION-LEFT; WEEK 80; 40 X 35MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, FOCAL
>EYES; PALE; EYES; VERIFIED AT NECROPSY: NOT APPLICABLE		THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 55 X 45 X 35 MM (39.6 GRAMS), TAN, SOFT AND LOBULATED; ON SECTION, EXUDES A TAN CREAMY SEMIFLUID MATERIAL; COLLECTED INTACT; REGIONAL LN (SEE AXILLARY) -THICKENED; VENTRAL THORACIC REGION: TAN AND FIRM (CAP 23)	MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATELY SEVERE, MULTIFOCAL -INFLAMMATION, ACUTE,-SLIGHT, FOCAL -B-FIBROADENOMA,- 3 NEOPLASMS PRESENT

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92361 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/07/00 STUDY DAY OF DEATH: 702 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: 664.1 GRAMS
DATE AND TIME OF NECROPSY: 03/07/00 13:36 PROSECTOR: DAVID SCHUETTE RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS #2; LEFT VENTRAL ABDOMINAL REGION, EXTENDING TO BILATERAL INGUINAL REGIONS: SINGLE MASS, 125 X 105 X 60 MM (297.2 GRAMS), TAN, RED, FIRM, VASCULAR, AND LOBULATED; SAME ON CUT SECTION; PORTIONS COLLECTED; OVERLYING SKIN HAS A SINGLE BROWN DRY ULCERATED AREA, 30 MM IN DIAMETER (CAP 24); REGIONAL LN (INGUINAL) NOT IDENTIFIED	
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT
	ADRENAL, CORTEX (AC) : -LARGE; BILATERAL: EACH IS 7 X 6 X 5 MM -MOTTLED; BILATERAL: DARK BROWN AND TAN	ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL
	PITUITARY (PI) : -MASS(ES); 7 X 5 X 4 MM, TAN, DARK RED, SOFT, AND LOBULATED	PITUITARY (PI) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -PIGMENT,-MINIMAL, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT DEATH COMMENT (DC) : -MAMMARY FIBROADENOMA,-PRESENT
	LN, AXILLARY (AX) : -LARGE; BILATERAL: UP TO 10 X 6 X 3 MM (CAP 22)	LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOCYTIC,-MINIMAL, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92361 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/07/00 STUDY DAY OF DEATH: 702 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: 664.1 GRAMS
DATE AND TIME OF NECROPSY: 03/07/00 13:36 PROSECTOR: DAVID SCHUETTE RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LIVER (LI), PANCREAS (PA), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92362 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 321.5 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 9:45 PROSECTOR: TONY HANFELD RECORDER: PAMELA L. SCHULZ-STUEBER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 102; 30 X 30MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT, MULTI-FOCAL
	LIVER (LI) : -LIGHT FOCUS(I)/AREA(S); ALL LOBES, DIFFUSE: MULTIPLE TAN AREAS, UP TO 2 X 1 MM; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : -FIBROSIS,-SEVERE, MULTI-FOCAL -INFLAMMATION, CHRONIC,-SLIGHT, MULTI-FOCAL -NECROSIS, HEPATOCELLULAR,-SEVERE, MULTI-FOCAL
		PANCREAS (PA) : -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT
		PARATHYROID (PT) : -HYPERPLASIA,-MINIMAL, DIFFUSE
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 35 X 28 X 25 MM, RED, DARK RED, TAN, AND FIRM; ON SECTION EXUDES DARK BROWN FLUID; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL -M-CARCINOMA,-NEOPLASM PRESENT

APPENDIX 6

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Individual Anatomic Pathology Data

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O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
	HEART (HT) : -LIGHT FOCUS(I)/AREA(S); AT APEX: SINGLE LIGHT AREA, 4 MM IN DIAMETER	HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL -INFLAMMATION, CHRONIC,-SLIGHT, MULTI-FOCAL
	ADRENAL, CORTEX (AC) : -MASS(ES); RIGHT, INVOLVING ENTIRE ORGAN: SINGLE MASS, RED, DARK RED, TAN, AND FIRM, 10 X 8 X 8 MM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (RENAL) NOT IDENTIFIED	ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-SEVERE, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL -MINERALIZATION,-MODERATELY SEVERE, FOCAL
	PITUITARY (PI) : -MASS(ES); 10 X 6 X 6 MM, RED, DARK RED, TAN AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
	OVARY (OV) : -CYST(S); LEFT: SINGLE CLEAR FLUID FILLED CYST, 3 MM IN DIAMETER	OVARY (OV) : >UNREMARKABLE
		DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), THYROID (TY), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

APPENDIX 6

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92363 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/01/99 STUDY DAY OF DEATH: 575 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: 573.9 GRAMS
DATE AND TIME OF NECROPSY: 11/01/99 11:38 PROSECTOR: JARED FISHEL RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-LEFT; WEEK 76; 80 X 80MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL SKIN (SK) : -B-FIBROMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); VENTRAL CERVICAL REGION EXTENDING TO LEFT AXILLARY REGION: SINGLE MASS, 70 X 55 X 45 MM, RED, TAN, FIRM AND LOBULATED; SAME ON CUT SURFACE; PORTION COLLECTED; REGIONAL LN (SEE MANDIBULAR)	MAMMARY, FEMALE (MF) : -GALACTOCELE,-MINIMAL, MULTI-FOCAL >NOTE:>MAMMARY MASS DESCRIBED GROSSLY WAS A SUBCUTANEOUS FIBROMA
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT
		ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL
	PITUITARY (PI) : -MASS(ES); 9 X 7 X 6 MM, DARK RED, FIRM AND LOBULATED	PITUITARY (PI) : -HEMORRHAGE,-SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	UTERUS (UT) : -SMALL; BILATERAL: EACH IS 2 MM IN DIAMETER	UTERUS (UT) : >UNREMARKABLE
		OVARY (OV) : >UNREMARKABLE

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92363 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/01/99 STUDY DAY OF DEATH: 575 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: 573.9 GRAMS
DATE AND TIME OF NECROPSY: 11/01/99 11:38 PROSECTOR: JARED FISHEL RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	OVARY (OV) : -CYST(S); LEFT: SINGLE CLEAR FLUID FILLED CYST, 3 MM IN DIAMETER	
		DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT
	LN, MANDIBULAR (MN) : -MOTTLED; BILATERAL: RED AND TAN (CAP 18)	LN, MANDIBULAR (MN) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL, MULTI-FOCAL
	LN, AXILLARY (AX) : -DIFFUSELY RED; LEFT: DARK RED (CAP 19)	LN, AXILLARY (AX) : >UNREMARKABLE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; LEFT: DARK RED, BROWN AND DRY MATERIAL -DISCHARGE-NASAL; DARK RED AND DRY MATERIAL	

APPENDIX 6

Covance 6329-228
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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92363 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/01/99 STUDY DAY OF DEATH: 575 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: 573.9 GRAMS
DATE AND TIME OF NECROPSY: 11/01/99 11:38 PROSECTOR: JARED FISHEL RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92364 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/17/99 STUDY DAY OF DEATH: 438 STUDY WEEK OF DEATH: 63 TERMINAL BODY WEIGHT: 206.9 GRAMS
DATE AND TIME OF NECROPSY: 06/17/99 15:13 PROSECTOR: JAMES T. CALLEN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -HEMORRHAGE,-SLIGHT, FOCAL -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
>EYES; RED DISCHARGE; EYE-LEFT; VERIFIED AT NECROPSY: OBSERVED		MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE		BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	PITUITARY (PI) : -CYST,-PRESENT -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE	PITUITARY (PI) : -MASS(ES); 12 X 9 X 8 MM, RED, TAN AND FIRM	DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT
>BEHAVIOR; CIRCLING; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; LEFT: DRY, RED MATERIAL -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92364 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/17/99 STUDY DAY OF DEATH: 438 STUDY WEEK OF DEATH: 63 TERMINAL BODY WEIGHT: 206.9 GRAMS
DATE AND TIME OF NECROPSY: 06/17/99 15:13 PROSECTOR: JAMES T. CALLEN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92365 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 388.4 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 8:43 PROSECTOR: WENDY CHERRY RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0416	.0107 %	.0191	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0382	.0098 %	.0175	WEIGHT TAKEN
BRAIN (BR)	2.1778	.5607 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.2772	.3288 %	.5865	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.3060	.3363 %	.5997	WEIGHT TAKEN
LIVER (LI)	9.9235	2.5550 %	4.5567	WEIGHT TAKEN
LUNG (LU)	1.7345	.4466 %	.7964	WEIGHT TAKEN
LEFT OVARY (OV0)	.0670	.0173 %	.0308	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0635	.0163 %	.0292	WEIGHT TAKEN
SPLEEN (SP)	.5717	.1472 %	.2625	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0145	.0037 %	.0067	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0137	.0035 %	.0063	WEIGHT TAKEN
UTERUS (UT)	.9764	.2514 %	.4483	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

DEATH COMMENT (DC) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92365 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 388.4 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 8:43 PROSECTOR: WENDY CHERRY RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92366 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 04/28/98 STUDY DAY OF DEATH: 23 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 215.3 GRAMS
DATE AND TIME OF NECROPSY: 04/28/98 8:59 PROSECTOR: STEVE VAN ADESTINE RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TROY ELLENBECKER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	9.3217	4.3296 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LEFT OVARY (OV0)	--------	--------	--------	NOT TAKEN
RIGHT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; UNVERIFIED AT NECROPSY	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92366 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 04/28/98 STUDY DAY OF DEATH: 23 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 215.3 GRAMS
DATE AND TIME OF NECROPSY: 04/28/98 8:59 PROSECTOR: STEVE VAN ADESTINE RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TROY ELLENBECKER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92367 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 468.1 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 13:47 PROSECTOR: TONY HANFELD RECORDER: PAMELA L. SCHULZ-STUEBER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, FOCAL
	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 5 X 4 MM; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MODERATE, FOCAL -HYPERPLASIA, BILE DUCT,-SLIGHT, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL -TELANGIECTASIS,-MINIMAL, FOCAL
		THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
		THYMUS (TH) : -CYST,-PRESENT
		ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL
	PITUITARY (PI) : -MASS(ES); 6 X 5 X 3 MM, DARK RED, TAN AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		RECTUM (RE) : -PARASITISM,-PRESENT
		DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT

APPENDIX 6

Covance 6329-228
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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92367 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 468.1 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 13:47 PROSECTOR: TONY HANFELD RECORDER: PAMELA L. SCHULZ-STUEBER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92368 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/17/00 STUDY DAY OF DEATH: 712 STUDY WEEK OF DEATH: 102 TERMINAL BODY WEIGHT: 431.0 GRAMS
DATE AND TIME OF NECROPSY: 03/17/00 8:26 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) :
		-VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 91; 35 X 30MM; VERIFIED AT NECROPSY: OBSERVED		THYROID (TY) :
		-FIBROSIS,-SLIGHT, FOCAL
		-HYPERPLASIA, C-CELL,-MODERATE, FOCAL
>MASS(ES); VENTRAL-ABDOMINAL; WEEK 100; 40 X 30MM; VERIFIED AT NECROPSY: OBSERVED	MAMMARY, FEMALE (MF) :	MAMMARY, FEMALE (MF) :
	-MASS(ES); LEFT PERINEAL REGION: SINGLE MASS, 40 X 40 X 20 MM, TAN, RED, GRAY AND SOFT; CUT SURFACE EXUDES A TAN CREAMY SEMIFLUID; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	-GALACTOCELE,-SEVERE, MULTI-FOCAL
		-HEMORRHAGE,-MINIMAL, FOCAL
>APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE		-B-FIBROADENOMA,- 2 NEOPLASMS PRESENT
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	-MASS #2; RIGHT AXILLARY REGION: SINGLE MASS, 40 X 30 X 15 MM, TAN, RED AND SOFT; CUT SURFACE EXUDES A TAN, CREAMY SEMIFLUID; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 22)	
	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
		-DILATATION, VENTRICULAR,-PRESENT
		ADRENAL, CORTEX (AC) :
		-ANGIECTASIS,-MODERATE, MULTI-FOCAL
		-HEMORRHAGE,-MODERATE, MULTI-FOCAL
		PITUITARY (PI) :
		-HEMORRHAGE,-MODERATE, MULTI-FOCAL

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92368 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/17/00 STUDY DAY OF DEATH: 712 STUDY WEEK OF DEATH: 102 TERMINAL BODY WEIGHT: 431.0 GRAMS
DATE AND TIME OF NECROPSY: 03/17/00 8:26 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); ATTACHED TO LEFT POSTERIOR ASPECT: SINGLE MASS, 6 MM IN DIAMETER, DARK RED, RED AND SOFT GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL, UPPER INCISORS -TEETH MISSING/BROKEN/WORN; BILATERAL, UPPER INCISORS: BROKEN AT BASE	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT

APPENDIX 6

Covance 6329-228
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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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ANIMAL NUMBER: C92368 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
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DATE AND TIME OF NECROPSY: 03/17/00 8:26 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, AXILLARY (AX), HEMATO NEOPLASIA (HN)

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92369 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 597.0 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 10:59 PROSECTOR: JARED FISHEL RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 51; 115 X 110MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL
>MASS(ES); AXILLARY REGION-LEFT; WEEK 102; 25 X 20 MM; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -LARGE; ALL LOBES: APPEAR SWOLLEN	LIVER (LI) : >UNREMARKABLE
		THYROID (TY) : -B-ADENOMA, C-CELL,- 2 NEOPLASMS PRESENT
	SKIN (SK) : >NOTE:>SKIN TAKEN FROM THE RIGHT SIDE DUE TO MASS ON THE LEFT SIDE	SKIN (SK) : -FIBROSIS,-MODERATE, MULTI-FOCAL
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 25 MM IN DIAMETER, DARK RED AND FIRM; ON SECTION EXUDES A DARK RED FLUID (CAP 21); REGIONAL LN (INGUINAL) NOT IDENTIFIED -MASS #2; LEFT ABDOMINAL REGION, EXTENDS TO LEFT INGUINAL REGION: SINGLE MASS, 110 X 100 X 40 MM (204.0 GRAMS), RED, DARK RED, TAN, FIRM AND LOBULATED; SAME ON CUT SURFACE; PORTION COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -GALACTOCELE,-SEVERE, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL -MINERALIZATION,-SLIGHT, FOCAL -PIGMENT,-SLIGHT, MULTI-FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT -M-CARCINOMA,-NEOPLASM PRESENT

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : >NOTE:>MAMMARY TAKEN FROM THE RIGHT SIDE DUE TO MASS ON THE LEFT SIDE	
		HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL -FIBROSIS,-MINIMAL, MULTI-FOCAL
	SPLEEN (SP) : -LARGE; 60 X 18 X 15 MM	SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE, MULTI-FOCAL
	ADRENAL, CORTEX (AC) : -LARGE; RIGHT: 10 X 8 X 8 MM (LEFT IS 4 X 3 X 2 MM)	ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-MODERATELY SEVERE, FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL -VACUOLATION,-MODERATE, FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); RIGHT POSTERIOR ASPECT: SINGLE DARK RED AREA, 2 MM IN DIAMETER	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
	OVARY (OV) : -CYST(S); LEFT: SINGLE CLEAR FLUID FILLED CYST, 7 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT
		DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 04/04/00 10:59 PROSECTOR: JARED FISHEL RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LN, MEDIASTINAL (ML) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL >NOTE:>MEDIASTINAL LYMPH NODE WAS PRESENT ON THYMUS SLIDE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

APPENDIX 6

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 04/04/00 10:59 PROSECTOR: JARED FISHEL RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), PARATHYROID (PT), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), LN, MESENTERIC (MS), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92370 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/02/00 STUDY DAY OF DEATH: 697 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: 572.0 GRAMS
DATE AND TIME OF NECROPSY: 03/02/00 8:06 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 80; 55 X 55MM; VERIFIED AT NECROPSY: OBSERVED	KIDNEY (KD) : -MOTTLED; BILATERAL: TAN AND BROWN	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
>MASS(ES); VENTRAL-THORACIC; WEEK 80; 45 X 35MM; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE AREAS, UP TO 3 MM IN DIAMETER; COLLECTED WITH ROUTINE SECTIONS	LIVER (LI) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
>SKIN & PELAGE; SORE/SCAB; AXILLARY REGION-RIGHT; VERIFIED AT NECROPSY: OBSERVED	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 12 X 21 X 35 MM, SOFT, TAN, DARK BROWN AND LOBULATED; ON SECTION CONTAINS A DARK BROWN FLUID; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED -MASS #2; RIGHT AXILLARY REGION: SINGLE MASS, 40 X 55 X 68 MM, FIRM, RED, TAN AND LOBULATED; SAME ON CUT SURFACE; COLLECTED; OVERLYING SKIN HAS A DARK BROWN AND RED, DRY ABRADED AREA, 40 X 50 MM; COLLECTED WITH MASS; REGIONAL LN (SEE AXILLARY)	MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATE, MULTI-FOCAL -MINERALIZATION,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 100; 15 X 15MM; VERIFIED AT NECROPSY: OBSERVED		

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS #3; RIGHT CERVICAL REGION, EXTENDS TO MID VENTRAL THORACIC REGION: SINGLE MASS, 35 X 43 X 52 MM, FIRM, RED, TAN AND LOBULATED; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (SEE AXILLARY)	
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT
		HEART (HT) : -DEGENERATION/NECROSIS,-SLIGHT, MULTI-FOCAL -FIBROSIS,-MINIMAL, MULTI-FOCAL
		THYMUS (TH) : -CYST,-PRESENT
		ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE, FOCAL -HEMORRHAGE,-MODERATE, FOCAL
	PITUITARY (PI) : -CYST(S); RIGHT ASPECT: SINGLE CYST, 4 MM IN DIAMETER, FILLED WITH A DARK RED FLUID	PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT
	LN, AXILLARY (AX) : -LARGE; RIGHT: 4 X 8 X 10 MM (LEFT IS 3 X 4 X 7 MM) (CAP 22)	LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOCYTIC,-MINIMAL, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

APPENDIX 6

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92370 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/02/00 STUDY DAY OF DEATH: 697 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: 572.0 GRAMS
DATE AND TIME OF NECROPSY: 03/02/00 8:06 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), LN, MESENTERIC (MS), SPLEEN (SP), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92371 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/15/99 STUDY DAY OF DEATH: 619 STUDY WEEK OF DEATH: 89 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/15/99 14:38 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT, MULTI-FOCAL KIDNEY (KD) : -MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL
	MAMMARY, FEMALE (MF) : -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT
		ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -PIGMENT,-MINIMAL, MULTI-FOCAL -THROMBUS,-MINIMAL, MULTI-FOCAL
		ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 8 X 7 X 6 MM, RED, DARK RED AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		DUODENUM (DU) : >AUTOLYTIC

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92371 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/15/99 STUDY DAY OF DEATH: 619 STUDY WEEK OF DEATH: 89 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/15/99 14:38 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ILEUM (IL) :
		>AUTOLYTIC
	UTERUS (UT) :	UTERUS (UT) :
	-CYST(S); LEFT HORN, WITHIN WALL: SINGLE CLEAR FLUID FILLED CYST, 4 X 3 X 3 MM	-DILATATION,-MODERATE, FOCAL
		DEATH COMMENT (DC) :
		-PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) :	
	-ANIMAL OBESE	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92371 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/15/99 STUDY DAY OF DEATH: 619 STUDY WEEK OF DEATH: 89 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/15/99 14:38 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), JEJUNUM (JE), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), OVARY (OV), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92372 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 411.9 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 10:39 PROSECTOR: WENDY CHERRY RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0426	.0103 %	.0198	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0380	.0092 %	.0177	WEIGHT TAKEN
BRAIN (BR)	2.1520	.5225 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.4414	.3499 %	.6698	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.4720	.3574 %	.6840	WEIGHT TAKEN
LIVER (LI)	11.1932	2.7175 %	5.2013	WEIGHT TAKEN
LUNG (LU)	1.7408	.4226 %	.8089	WEIGHT TAKEN
LEFT OVARY (OV0)	.0816	.0198 %	.0379	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0713	.0173 %	.0331	WEIGHT TAKEN
SPLEEN (SP)	.6446	.1565 %	.2995	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0146	.0035 %	.0068	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0172	.0042 %	.0080	WEIGHT TAKEN
UTERUS (UT)	.9058	.2199 %	.4209	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	MAMMARY, FEMALE (MF) : -CYST(S); ALL REGIONS DIFFUSE: MULTIPLE TAN CREAMY SEMIFLUID FILLED CYSTS, UP TO 4 X 3 X 2 MM; COLLECTED ON ROUTINE SECTION PITUITARY (PI) : -LARGE; 7 X 6 X 4 MM STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: TWO BROWN AREAS, EACH IS 3 X 2 MM	MAMMARY, FEMALE (MF) : >UNREMARKABLE LN, MESENTERIC (MS) : -EDEMA,-SLIGHT, MULTI-FOCAL PITUITARY (PI) : >UNREMARKABLE STOMACH, GL (ST) : -EDEMA,-MODERATELY SEVERE, FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92372 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 411.9 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 10:39 PROSECTOR: WENDY CHERRY RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: JARED FISHEL

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS | NECROPSY | HISTOPATHOLOGY

DEATH COMMENT (DC) :
-SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92373 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 04/28/98 STUDY DAY OF DEATH: 23 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 187.3 GRAMS
DATE AND TIME OF NECROPSY: 04/28/98 8:29 PROSECTOR: TERRI L. WILLIAMS RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TROY ELLENBECKER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	7.2075	3.8481 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LEFT OVARY (OV0)	--------	--------	--------	NOT TAKEN
RIGHT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; UNVERIFIED AT NECROPSY	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92373 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 04/28/98 STUDY DAY OF DEATH: 23 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 187.3 GRAMS
DATE AND TIME OF NECROPSY: 04/28/98 8:29 PROSECTOR: TERRI L. WILLIAMS RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TROY ELLENBECKER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92374 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 572.3 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 9:41 PROSECTOR: JARED FISHEL RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: NOT OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL -MINERALIZATION, TUBULAR,-MINIMAL, MULTI-FOCAL LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MODERATE, FOCAL -TELANGIECTASIS,-MINIMAL, MULTI-FOCAL PANCREAS (PA) : -ATROPHY, ACINAR,-SLIGHT, MULTI-FOCAL MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT EYE (EY) : -INFLAMMATION, ACUTE, CORNEAL,-MINIMAL, MULTI-FOCAL -VASCULARIZATION, CORNEAL,-MINIMAL, MULTI-FOCAL
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92374 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 572.3 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 9:41 PROSECTOR: JARED FISHEL RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 8 X 6 X 6 MM, GRAY, RED AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT STOMACH, GL (ST) : -EROSION,-MINIMAL, FOCAL CERVIX (CV) : -B-LEIOMYOMA,-NEOPLASM PRESENT DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: DARK RED (CAP 22)	LN, MANDIBULAR (MN) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL ADIPOSE TISSUE (AT) : -M-LIPOSARCOMA,-NEOPLASM PRESENT
	LN, POPLITEAL (PP) : -LARGE; LEFT: 9 MM IN DIAMETER (RIGHT NOT IDENTIFIED) -MOTTLED; LEFT: RED AND TAN (CAP 23)	LN, POPLITEAL (PP) : >TISSUE MISSING >NOTE:>POPLITEAL LYMPH NODE DESCRIBED GROSSLY WAS A SUBCUTANEOUS LIPOSARCOMA
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -TEETH MISSING/BROKEN/WORN; BILATERAL, UPPER INCISORS: BROKEN AT BASE	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92374 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 572.3 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 9:41 PROSECTOR: JARED FISHEL RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), VAGINA (VA), HEMATO NEOPLASIA (HN)

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92375 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/01/99 STUDY DAY OF DEATH: 605 STUDY WEEK OF DEATH: 87 TERMINAL BODY WEIGHT: 427.1 GRAMS
DATE AND TIME OF NECROPSY: 12/01/99 12:58 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) :	LIVER (LI) :
>EYES; RED DISCHARGE; EYE-LEFT; VERIFIED AT NECROPSY: OBSERVED	-MOTTLED; ALL LOBES: BROWN AND TAN	-HYPERPLASIA, BILE DUCT,-MODERATE, MULTI-FOCAL
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE		-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
>DISCHARGE; NASAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED		-VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL
		PARATHYROID (PT) : >SECTION EXAMINED; TISSUE NOT PRESENT
		MAMMARY, FEMALE (MF) : -GALACTOCELE,-MINIMAL, MULTI-FOCAL
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT
		THYMUS (TH) : -CYST,-PRESENT
	PITUITARY (PI) : -MASS(ES); 12 X 8 X 8 MM, RED, DARK RED, TAN, AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92375 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/01/99 STUDY DAY OF DEATH: 605 STUDY WEEK OF DEATH: 87 TERMINAL BODY WEIGHT: 427.1 GRAMS
DATE AND TIME OF NECROPSY: 12/01/99 12:58 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		OVARY (OV) : -CYST,-PRESENT DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -STAINS-PERINEUM/PERIANAL; YELLOW -DISCHARGE-OCULAR; BILATERAL: RED -DISCHARGE-NASAL; BILATERAL: RED	

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92375 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/01/99 STUDY DAY OF DEATH: 605 STUDY WEEK OF DEATH: 87 TERMINAL BODY WEIGHT: 427.1 GRAMS
DATE AND TIME OF NECROPSY: 12/01/99 12:58 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), THYROID (TY), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92376 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 321.1 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 10:31 PROSECTOR: GREGORY CODDINGTON RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DONIA MEYER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0430	.0134 %	.0202	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0500	.0156 %	.0235	WEIGHT TAKEN
BRAIN (BR)	2.1321	.6640 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.2378	.3855 %	.5806	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.2613	.3928 %	.5916	WEIGHT TAKEN
LIVER (LI)	9.9801	3.1081 %	4.6809	WEIGHT TAKEN
LUNG (LU)	1.5665	.4879 %	.7347	WEIGHT TAKEN
LEFT OVARY (OV0)	.0449	.0140 %	.0211	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0412	.0128 %	.0193	WEIGHT TAKEN
SPLEEN (SP)	.5194	.1618 %	.2436	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0119	.0037 %	.0056	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0097	.0030 %	.0045	WEIGHT TAKEN
UTERUS (UT)	1.2052	.3753 %	.5653	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>MASS(ES); VENTRAL-CERVICAL; WEEK 46; 30 X 30MM; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

MAMMARY, FEMALE (MF) :
-MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 45 X 30 X 25 MM, RED, TAN, GRAY AND SOFT; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (SEE AXILLARY)

HISTOPATHOLOGY

MAMMARY, FEMALE (MF) :
-B-FIBROADENOMA,-NEOPLASM PRESENT

THYMUS (TH) :
-CYST,-PRESENT
ADRENAL, CORTEX (AC) :
-ANGIECTASIS,-SLIGHT, MULTI-FOCAL
-DEGENERATION, CYSTIC, CORTICAL,-MODERATE, FOCAL

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92376 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 321.1 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 10:31 PROSECTOR: GREGORY CODDINGTON RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DONIA MEYER

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT
	LN, AXILLARY (AX) : -DIFFUSELY RED; LEFT; RIGHT IS NORMAL (CAP 18)	LN, AXILLARY (AX) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -INFILTRATE, MACROPHAGE, VACUOLATED,- MINIMAL, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BONE MARROW SMEAR TAKEN	

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92376 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 321.1 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 10:31 PROSECTOR: GREGORY CODDINGTON RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DONIA MEYER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92377 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 05/03/99 STUDY DAY OF DEATH: 393 STUDY WEEK OF DEATH: 57 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 05/03/99 11:06 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	MAMMARY, FEMALE (MF) :	MAMMARY, FEMALE (MF) :
>MASS(ES); VENTRAL-CERVICAL-LEFT; WEEK 31; 20 X 20MM; VERIFIED AT NECROPSY: OBSERVED	-MASS(ES); VENTRAL CERVICAL REGION: SINGLE MASS, 30 X 17 X 15 MM, RED, DARK RED, TAN, FIRM AND LOBULATED; SAME ON CUT SURFACE (CAP 18); REGIONAL LN (MANDIBULAR) NORMAL (CAP 19)	-GALACTOCELE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); SINGLE MASS, 10 X 7 X 5 MM, RED, DARK RED, TAN AND SOFT	-B-ADENOMA,-NEOPLASM PRESENT
		ILEUM (IL) :
		>AUTOLYTIC
		OVARY (OV) :
		-INFLAMMATION, CHRONIC,-MODERATE, MULTI-FOCAL
		DEATH COMMENT (DC) :
		-PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) :	
	-MALOCCLUSION; BILATERAL UPPER INCISORS	
	-DISCHARGE-OCULAR; RED, DRY MATERIAL	
	-DISCHARGE-NASAL; RED, DRY MATERIAL	

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92377 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 05/03/99 STUDY DAY OF DEATH: 393 STUDY WEEK OF DEATH: 57 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 05/03/99 11:06 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), HEMATO NEOPLASIA (HN)

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92378 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/26/99 STUDY DAY OF DEATH: 508 STUDY WEEK OF DEATH: 73 TERMINAL BODY WEIGHT: 292.2 GRAMS
DATE AND TIME OF NECROPSY: 08/26/99 7:45 PROSECTOR: DAVID SCHUETTE RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>SKIN & PELAGE; RED HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: NOT OBSERVED
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: NOT OBSERVED
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

MAMMARY, FEMALE (MF) :
-THICKENED; ALL REGIONS, DIFFUSE: TAN; COLLECTED ON ROUTINE SECTION
BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

KIDNEY (KD) :
-MINERALIZATION, PELVIC,-MODERATE, FOCAL
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL
THYROID (TY) :
-CYST, ULTIMOBRANCHIAL,-PRESENT
MAMMARY, FEMALE (MF) :
-GALACTOCELE,-SLIGHT, MULTI-FOCAL
BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
HEART (HT) :
-DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL
THYMUS (TH) :
-CYST,-PRESENT
ADRENAL, CORTEX (AC) :
-DEGENERATION, CYSTIC, CORTICAL,-MODERATE, FOCAL
-HEMORRHAGE,-SLIGHT, FOCAL
-PIGMENT,-MINIMAL, FOCAL
-THROMBUS,-SLIGHT, FOCAL
PITUITARY (PI) :
-B-ADENOMA,-NEOPLASM PRESENT

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92378 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/26/99 STUDY DAY OF DEATH: 508 STUDY WEEK OF DEATH: 73 TERMINAL BODY WEIGHT: 292.2 GRAMS
DATE AND TIME OF NECROPSY: 08/26/99 7:45 PROSECTOR: DAVID SCHUETTE RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 7 X 7 X 5 MM, RED, DARK RED AND TAN	
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA, NEAR JUNCTION OF GLANDULAR MUCOSA: SINGLE TAN ERODED AREA, 5 MM IN DIAMETER	STOMACH, NONGL (SU) : -EDEMA,-MODERATE, DIFFUSE -EROSION,-SEVERE, FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -INFLAMMATION, ACUTE,-MODERATE, MULTI-FOCAL
	OVARY (OV) : -CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 3 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT
		DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK BROWN AND DRY MATERIAL -DISCHARGE-NASAL; DARK BROWN AND DRY MATERIAL	

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92378 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/26/99 STUDY DAY OF DEATH: 508 STUDY WEEK OF DEATH: 73 TERMINAL BODY WEIGHT: 292.2 GRAMS
DATE AND TIME OF NECROPSY: 08/26/99 7:45 PROSECTOR: DAVID SCHUETTE RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), LIVER (LI), PANCREAS (PA), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), LN, MESENTERIC (MS), SPLEEN (SP), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

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Covance 6329-228
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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92379 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 08/16/99 STUDY DAY OF DEATH: 498 STUDY WEEK OF DEATH: 72 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 08/16/99 10:41 PROSECTOR: TONY HANFELD RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 49; 20 X 15MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
>MASS(ES); VENTRAL-THORACIC; WEEK 70; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED	SKIN (SK) : >NOTE:>COLLECTED FROM RIGHT SIDE DUE TO MAMMARY GLAND MASS	
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED	MAMMARY, FEMALE (MF) :	MAMMARY, FEMALE (MF) :
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	-MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 29 X 19 X 11 MM, RED, DARK RED, TAN, LOBULATED AND VASCULAR; SOME SECTIONS EXUDE A DARK BROWN SEMIFLUID; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED -CYST(S); RIGHT AXILLARY REGION: SINGLE TAN FLUID FILLED CYST, 12 MM IN DIAMETER; COLLECTED; POSSIBLY CONSISTENT WITH MASS (RIGHT AXILLARY) AS NOTED IN CLINICAL OBSERVATIONS -MASS #2; RIGHT VENTRAL CERVICAL REGION: SINGLE MASS, 13 X 9 X 4 MM, TAN, RED AND LOBULATED; ON SECTION EXUDES A TAN CASEOUS SEMIFLUID; COLLECTED; REGIONAL LN (MANDIBULAR) NORMAL (CAP 18)	-GALACTOCELE,-MODERATE, MULTI-FOCAL -B-ADENOMA,- 2 NEOPLASMS PRESENT

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE AND TIME OF NECROPSY: 08/16/99 10:41 PROSECTOR: TONY HANFELD RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : >NOTE:>COLLECTED FROM RIGHT SIDE DUE TO MAMMARY GLAND MASS	
	EYE (EY) : >NOTE:>LEFT EYE RUPTURED AT NECROPSY	
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT
		HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL
		ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 13 X 10 X 6 MM, RED, DARK RED, TAN AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92379 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 08/16/99 STUDY DAY OF DEATH: 498 STUDY WEEK OF DEATH: 72 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 08/16/99 10:41 PROSECTOR: TONY HANFELD RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), GENERAL COMMENT (GC), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92380 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/18/99 STUDY DAY OF DEATH: 561 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 338.1 GRAMS
DATE AND TIME OF NECROPSY: 10/18/99 10:55 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT, MULTI-FOCAL
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 60; 45 X 45MM; VERIFIED AT NECROPSY: OBSERVED		
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 45 X 40 X 20 MM, TAN, FIRM, AND VASCULAR; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 18) -CYST(S); ALL REGIONS DIFFUSE: MULTIPLE YELLOW CREAMY SEMIFLUID FILLED CYSTS, UP TO 4 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION LEFT AXILLARY REGION: SINGLE BROWN SEMIFLUID FILLED CYST, 15 MM IN DIAMETER; COLLECTED (CAP 19) -MASS #2; LEFT INGUINAL REGION: SINGLE MASS, 20 X 20 X 8 MM, TAN, LOBULATED, AND SOFT; ON SECTION, EXUDES A LIGHT GREEN SEMISOLID; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 18)	MAMMARY, FEMALE (MF) : -GALACTOCELE,-SEVERE, MULTI-FOCAL -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE		
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92380 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/18/99 STUDY DAY OF DEATH: 561 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 338.1 GRAMS
DATE AND TIME OF NECROPSY: 10/18/99 10:55 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT, MULTI-FOCAL -DEGENERATION, CYSTIC, CORTICAL,-MODERATE, FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -PIGMENT,-MINIMAL, MULTI-FOCAL -THROMBUS,-MINIMAL, MULTI-FOCAL
	PITUITARY (PI) : -MASS(ES); 13 X 12 X 8 MM, DARK RED, SOFT, AND CYSTIC	PITUITARY (PI) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFLAMMATION, CHRONIC,-SLIGHT, MULTI-FOCAL
	VAGINA (VA) : -SEMIFLUID MATERIAL; WITHIN LUMEN: YELLOW CASEOUS MATERIAL	VAGINA (VA) : >UNREMARKABLE
		DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT
	LN, MANDIBULAR (MN) : -LARGE; BILATERAL: UP TO 10 X 7 X 3 MM	LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOCYTIC,-MODERATE, DIFFUSE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL: LOWER INCISORS AND LEFT UPPER INCISOR -ANIMAL THIN -TEETH MISSING/BROKEN/WORN; RIGHT UPPER INCISOR: BROKEN OFF AT BASE	

APPENDIX 6

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92380 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/18/99 STUDY DAY OF DEATH: 561 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 338.1 GRAMS
DATE AND TIME OF NECROPSY: 10/18/99 10:55 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), LN, AXILLARY (AX), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92381 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/29/99 STUDY DAY OF DEATH: 480 STUDY WEEK OF DEATH: 69 TERMINAL BODY WEIGHT: 299.5 GRAMS
DATE AND TIME OF NECROPSY: 07/29/99 8:10 PROSECTOR: JILL PAUS RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: NOT OBSERVED
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED
>DISCHARGE; NASAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

PITUITARY (PI) :
-MASS(ES); 12 X 5 X 3 MM, RED, DARK RED, TAN, AND SOFT
STOMACH, NONGL (SU) :
-THICKENED WALL; DIFFUSE

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN

HISTOPATHOLOGY

KIDNEY (KD) :
-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
-MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL
MAMMARY, FEMALE (MF) :
-GALACTOCELE,-MODERATE, MULTI-FOCAL
BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
THYMUS (TH) :
-CYST,-PRESENT
ADRENAL, CORTEX (AC) :
-ANGIECTASIS,-MINIMAL, MULTI-FOCAL
-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
PITUITARY (PI) :
-HEMORRHAGE,-MODERATE, MULTI-FOCAL
-B-ADENOMA,-NEOPLASM PRESENT
STOMACH, NONGL (SU) :
-EDEMA,-MODERATE, FOCAL
-EROSION,-MODERATE, FOCAL
-INFLAMMATION, ACUTE,-SLIGHT, FOCAL
DEATH COMMENT (DC) :
-PITUITARY ADENOMA,-PRESENT

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -DISCHARGE-OCULAR; BILATERAL: RED DRY MATERIAL -DISCHARGE-NASAL; RED DRY MATERIAL	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92382 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/03/99 STUDY DAY OF DEATH: 393 STUDY WEEK OF DEATH: 57 TERMINAL BODY WEIGHT: 231.0 GRAMS
DATE AND TIME OF NECROPSY: 05/03/99 11:13 PROSECTOR: MICHELE MARGGI RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, FOCAL
>EYES; SQUINTED; PERI-ORBITAL-RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) : -RED FOCUS(I)/AREA(S); LEFT LATERAL LOBE: SINGLE DARK RED AREA, 5 X 2 MM (COLLECTED ON ROUTINE SECTION)	LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED		
>SKIN & PELAGE; BROWN HAIR COAT; GENERALIZED; VERIFIED AT NECROPSY: OBSERVED	MAMMARY, FEMALE (MF) : -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM (COLLECTED WITH ROUTINE SECTION)	MAMMARY, FEMALE (MF) : -GALACTOCELE,-MINIMAL, MULTI-FOCAL
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE, MULTI-FOCAL
		THYMUS (TH) : -CYST,-PRESENT
	ADRENAL, CORTEX (AC) : -LARGE; LEFT: 9 MM IN DIAMETER (FOR COMPARISON RIGHT IS 5 MM IN DIAMETER)	ADRENAL, CORTEX (AC) : -THROMBUS,-SEVERE, FOCAL
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 10 X 8 X 6 MM, RED, DARK RED, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT

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Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN AREAS, UP TO 4 X 2 MM STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA, ALONG GREATER CURVATURE: MULTIPLE TAN ERODED AREAS, UP TO 5 X 2 MM URINARY BLADDER (UB) : -CALCULUS(I); WITHIN LUMEN: MULTIPLE HARD TAN CALCULI, UP TO 20 X 10 X 10 MM GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -STAINS-PERINEUM/PERIANAL; BROWN AND MOIST -DISCHARGE-OCULAR; BILATERAL: DARK RED, DRY CRUSTED MATERIAL -ANIMAL THIN	STOMACH, GL (ST) : -EROSION,-MODERATE, FOCAL -INFLAMMATION, ACUTE,-MINIMAL, FOCAL STOMACH, NONGL (SU) : -EDEMA,-MODERATE, DIFFUSE -EROSION,-MODERATELY SEVERE, FOCAL URINARY BLADDER (UB) : -HYPERPLASIA, TRANSITIONAL CELL,-MODERATE, DIFFUSE -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

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Covance 6329-228
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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92383 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 554.4 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 8:33 PROSECTOR: TROY ELLENBECKER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-LEFT; WEEK 96; 40 X 40MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL
>SKIN & PELAGE; RED HAIR COAT; HEAD-CRANIAL; VERIFIED AT NECROPSY: NOT OBSERVED	LIVER (LI) : -MOTTLED; ALL LOBES: RED AND TAN	LIVER (LI) : -CYST, BILIARY,-MODERATE, FOCAL -DEGENERATION, CYSTIC,-MODERATE, FOCAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-SLIGHT, FOCAL -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL -VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL THYROID (TY) : -CYST, FOLLICULAR,-MODERATE, FOCAL -CYST, ULTIMOBRANCHIAL,-PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 35 X 30 X 7 MM, RED, TAN, FIRM AND LOBULATED; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 22)	MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,-NEOPLASM PRESENT
		BRAIN (BR) : -INFLAMMATION, CHRONIC,-SLIGHT, FOCAL

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -CYST,-PRESENT
	ADRENAL, CORTEX (AC) : -MASS(ES); INVOLVING ENTIRE LEFT ADRENAL: SINGLE MASS, 17 MM IN DIAMETER, RED, DARK RED, TAN AND FIRM; SAME ON CUT SURFACE; REGIONAL LN (RENAL) NOT IDENTIFIED	ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SEVERE, FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL -THROMBUS,-SLIGHT, MULTI-FOCAL
		PITUITARY (PI) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	JEJUNUM (JE) : -DIVERTICULUM(A); MID JEJUNUM: SINGLE DIVERTICULUM, 8 X 5 X 3 MM; COLLECTED ON ROUTINE SECTION	JEJUNUM (JE) : >UNREMARKABLE
	UTERUS (UT) : -MASS(ES); WITHIN WALL OF RIGHT HORN: SINGLE MASS, 20 X 15 X 10 MM, RED, DARK RED, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (LUMBAR) NORMAL (CAP 24)	UTERUS (UT) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
	OVARY (OV) : -CYST(S); LEFT: SINGLE CLEAR FLUID FILLED CYST, 5 MM IN DIAMETER -MASS(ES); RIGHT: SINGLE MASS, 30 X 25 X 20 MM, RED, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (LUMBAR) NORMAL (CAP 24)	OVARY (OV) : -CYST,-PRESENT -B-GRANULOSA/THECA CELL TUMOR,-NEOPLASM PRESENT

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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DATE AND TIME OF NECROPSY: 04/04/00 8:33 PROSECTOR: TROY ELLENBECKER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT HEMATO NEOPLASIA (HN) : -M-SARCOMA, HISTIOCYTIC,-NEOPLASM PRESENT CAVITY, ABDOM (PC) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, AXILLARY (AX), LN, LUMBAR/ILIAC (LM)

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Covance 6329-228
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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92384 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/10/99 STUDY DAY OF DEATH: 614 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: 320.7 GRAMS
DATE AND TIME OF NECROPSY: 12/10/99 9:48 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, FOCAL -MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED		
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE AREAS, UP TO 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION	LIVER (LI) : -TELANGIECTASIS,-MINIMAL, MULTI-FOCAL -VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL -B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT
>SKIN & PELAGE; BROWN HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED		
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	PANCREAS (PA) : -MASS(ES); ALONG SPLEEN: SINGLE MASS, 10 X 10 X 6 MM, TAN, RED AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (PANCREATIC) NOT IDENTIFIED	PANCREAS (PA) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT
>SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE		THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -THICKENED; ALL REGIONS, DIFFUSE: TAN AND SOFT	MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT

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O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -CYST,-PRESENT ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL
	PITUITARY (PI) : -MASS(ES); 10 X 7 X 6 MM, DARK RED, GRAY AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -PIGMENT,-MINIMAL, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, NONGL (SU) : -THICKENED WALL; DIFFUSE -EROSION/ULCERATION; MUCOSA: MULTIPLE BROWN AND TAN ULCERATED AREAS, UP TO 6 X 5 MM	STOMACH, NONGL (SU) : -EDEMA,-MODERATELY SEVERE, MULTI-FOCAL -INFLAMMATION, ACUTE,-MODERATE, MULTI-FOCAL -ULCERATION,-SEVERE, MULTI-FOCAL
		UTERUS (UT) : -DILATATION,-MINIMAL, FOCAL
		DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -STAINS-PERINEUM/PERIANAL; PERINEUM: MOIST DARK BROWN MATERIAL -DISCHARGE-OCULAR; BILATERAL: DRY DARK BROWN MATERIAL -ANIMAL THIN -GI TRACT-DARK FLUID CONTENT; ILEUM AND CECUM: CONTAINS A DARK BROWN SEMIFLUID MATERIAL	

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Individual Anatomic Pathology Data

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), OVARY (OV), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92385 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/31/00 STUDY DAY OF DEATH: 666 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 334.6 GRAMS
DATE AND TIME OF NECROPSY: 01/31/00 13:35 PROSECTOR: STEVE VAN ADESTINE RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE >APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE >APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -INFARCT,-SLIGHT, FOCAL -MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL
	LIVER (LI) : -DIFFUSELY LIGHT; ALL LOBES: TAN	LIVER (LI) : -HEMORRHAGE,-SLIGHT, FOCAL -VACUOLATION, HEPATOCELLULAR,-SEVERE, DIFFUSE
		THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT
	MAMMARY, FEMALE (MF) : -CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE TAN, CREAMY SEMIFLUID FILLED CYSTS, UP TO 5 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATE, MULTI-FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
	PITUITARY (PI) : -MASS(ES); 14 X 12 X 10 MM, RED, DARK RED, TAN, BROWN, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	UTERUS (UT) : -CYST(S); WITHIN WALL OF RIGHT HORN AT BIFURCATION: SINGLE DARK RED FLUID FILLED CYST, 4 MM IN DIAMETER VAGINA (VA) : -SEMIFLUID MATERIAL; WITHIN LUMEN: LIGHT GREEN, MUCOID SEMIFLUID GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN	UTERUS (UT) : >UNREMARKABLE VAGINA (VA) : >UNREMARKABLE DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT

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Individual Anatomic Pathology Data

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), OVARY (OV), CERVIX (CV), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), OVARY (OV), CERVIX (CV), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92386 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 308.0 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 13:14 PROSECTOR: JAMES T. CALLEN RECORDER: PAMELA L. SCHULZ-STUEBER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL; WEEK 80; 40 X 40MM; VERIFIED AT NECROPSY: OBSERVED		LUNG (LU) : -INFLAMMATION, GRANULOMATOUS,-SLIGHT, MULTI-FOCAL
>WART LIKE LESION(S); EAR-LEFT; WEEK 92; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT, MULTI-FOCAL
>MASS(ES); VENTRAL-CERVICAL-LEFT; WEEK 95; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED		THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
>SKIN & PELAGE; SORE/SCAB; VENTRAL-CERVICAL-LEFT; VERIFIED AT NECROPSY: OBSERVED	SKIN (SK) : -CRUSTED AREA(S); WITHIN LEFT PINNA: SINGLE TAN CRUSTED AREA, 5 X 3 MM; COLLECTED INTACT	SKIN (SK) : -B-ADENOMA, SEBACEOUS GLAND,-NEOPLASM PRESENT
>MASS(ES); INGUINAL REGION-LEFT; WEEK 101; 30 X 30MM; VERIFIED AT NECROPSY: OBSERVED	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 23 X 15 X 15 MM, BROWN, TAN, LOBULATED AND FIRM; SAME ON CUT SURFACE; OVERLYING SKIN HAS A TAN, MOIST, ULCERATED AREA, 1 MM IN DIAMETER; COLLECTED INTACT WITH MASS (CAP 22); REGIONAL LN (AXILLARY) NORMAL (CAP 23); POSSIBLY CONSISTENT WITH MASS (LEFT CERVICAL ABDOMINAL REGION) NOTED IN CLINICAL OBSERVATIONS	MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL -INFLAMMATION, ACUTE,-MODERATELY SEVERE, MULTI-FOCAL -MINERALIZATION,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT -M-CARCINOMA,-NEOPLASM PRESENT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92386 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 308.0 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 13:14 PROSECTOR: JAMES T. CALLEN RECORDER: PAMELA L. SCHULZ-STUEBER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS #2; LEFT INGUINAL REGION: SINGLE MASS, 53 X 41 X 24 MM, TAN, RED, LOBULATED, AND FIRM; SOME SECTIONS EXUDE A TAN AND GREEN SEMIFLUID; COLLECTED INTACT; REGIONAL LN (INGUINAL) NOT IDENTIFIED; POSSIBLY CONSISTENT WITH MASSES (VENTRAL ABDOMINAL AND LEFT INGUINAL REGIONS) AS NOTED IN CLINICAL OBSERVATIONS	
		ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT, MULTI-FOCAL -DEGENERATION, CYSTIC, CORTICAL,-MODERATE, FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -VACUOLATION,-MODERATE, FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	PITUITARY (PI) : -LARGE; 6 X 5 X 4 MM	PITUITARY (PI) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92386 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 308.0 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 13:14 PROSECTOR: JAMES T. CALLEN RECORDER: PAMELA L. SCHULZ-STUEBER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LIVER (LI), PANCREAS (PA), PARATHYROID (PT), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, AXILLARY (AX), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92387 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/31/99 STUDY DAY OF DEATH: 513 STUDY WEEK OF DEATH: 74 TERMINAL BODY WEIGHT: 341.8 GRAMS
DATE AND TIME OF NECROPSY: 08/31/99 14:41 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 59; 45 X 30MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-MODERATELY SEVERE, MULTI-FOCAL
>SKIN & PELAGE; RED HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED		THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE		
>SKIN & PELAGE; RED HAIR COAT; PERINEAL AREA; VERIFIED AT NECROPSY: OBSERVED	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 43 X 25 X 20 MM, TAN AND FIRM; ON SECTION, EXUDES A TAN CREAMY SEMIFLUID; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 18)	MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
		HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL
		ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE, MULTI-FOCAL

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O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL
	PITUITARY (PI) : -MASS(ES); 10 X 8 X 5 MM, DARK RED AND FIRM	PITUITARY (PI) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -RED FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK RED AREAS, UP TO 2 X 1 MM	STOMACH, GL (ST) : >UNREMARKABLE
	STOMACH, NONGL (SU) : -THICKENED WALL; ALL REGIONS, DIFFUSE -EROSION/ULCERATION; MUCOSA: SINGLE DARK RED ERODED AREA, 10 X 5 MM	STOMACH, NONGL (SU) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL -ULCERATION,-SEVERE, FOCAL
	UTERUS (UT) : -CYST(S); BILATERAL, WITHIN WALLS: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 15 X 5 X 5 MM	UTERUS (UT) : -DILATATION,-MODERATELY SEVERE, DIFFUSE
		DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT
		LN, MEDIASTINAL (ML) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL, MULTI-FOCAL >NOTE:>MEDIASTINAL LYMPH NODE WAS PRESENT ON THYMUS SLIDE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -STAINS-PERINEUM/PERIANAL; DRY RED MATERIAL -ANIMAL THIN	

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O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS | NECROPSY | HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-STAINS - SKIN/HAIRCOAT; ENTIRE
ABDOMINAL REGION: DRY RED MATERIAL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, AXILLARY (AX), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92388 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 436.9 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 8:45 PROSECTOR: GREGORY CODDINGTON RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DONIA MEYER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0614	.0141 %	.0284	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0410	.0094 %	.0190	WEIGHT TAKEN
BRAIN (BR)	2.1627	.4950 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.3578	.3108 %	.6278	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.3404	.3068 %	.6198	WEIGHT TAKEN
LIVER (LI)	11.3882	2.6066 %	5.2657	WEIGHT TAKEN
LUNG (LU)	1.6427	.3760 %	.7596	WEIGHT TAKEN
LEFT OVARY (OV0)	.0493	.0113 %	.0228	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0437	.0100 %	.0202	WEIGHT TAKEN
SPLEEN (SP)	.5916	.1354 %	.2735	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0145	.0033 %	.0067	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0155	.0035 %	.0072	WEIGHT TAKEN
UTERUS (UT)	1.0659	.2440 %	.4929	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LUNG (LU) :
-HEMORRHAGE,-MINIMAL, FOCAL
KIDNEY (KD) :
-MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL
THYROID (TY) :
-CYST, ULTIMOBRANCHIAL,-PRESENT
-INFLAMMATION, CHRONIC,-MODERATE, MULTI-FOCAL
ADRENAL, CORTEX (AC) :
-ANGIECTASIS,-SLIGHT, MULTI-FOCAL
-HEMORRHAGE,-SLIGHT, MULTI-FOCAL

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92388 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 436.9 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 8:45 PROSECTOR: GREGORY CODDINGTON RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DONIA MEYER

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

HISTOPATHOLOGY

DEATH COMMENT (DC) :
-SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN
GENERAL INFORMATION (XX) :
>NOTE:>ANIMAL IDENTIFICATION
TRANSPONDER DAMAGED AT NECROPSY

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92388 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 436.9 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 8:45 PROSECTOR: GREGORY CODDINGTON RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DONIA MEYER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LIVER (LI), PANCREAS (PA), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

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Covance 6329-228
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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92389 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 356.5 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 8:45 PROSECTOR: MONTI THOMAS MAGUIRE RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DONIA MEYER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.1123	.0315 %	.0556	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0474	.0133 %	.0235	WEIGHT TAKEN
BRAIN (BR)	2.0204	.5667 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.3505	.3788 %	.6684	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.4494	.4066 %	.7174	WEIGHT TAKEN
LIVER (LI)	9.5787	2.6869 %	4.7410	WEIGHT TAKEN
LUNG (LU)	2.2838	.6406 %	1.1304	WEIGHT TAKEN
LEFT OVARY (OV0)	.0660	.0185 %	.0327	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0684	.0192 %	.0339	WEIGHT TAKEN
SPLEEN (SP)	.4422	.1240 %	.2189	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0103	.0029 %	.0051	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0114	.0032 %	.0056	WEIGHT TAKEN
UTERUS (UT)	1.2955	.3634 %	.6412	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

LUNG (LU) :
-LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE WHITE AREAS, UP TO 3 MM IN DIAMETER

ADRENAL, CORTEX (AC) :
-LARGE; LEFT: 10 X 8 X 7 MM (FOR COMPARISON RIGHT IS 5 X 3 X 3 MM)

HISTOPATHOLOGY

LUNG (LU) :
-INFILTRATE, MACROPHAGE, ALVEOLAR,-MODERATE, MULTI-FOCAL

PANCREAS (PA) :
>TISSUE MISSING
ADRENAL, CORTEX (AC) :
-ANGIECTASIS,-SLIGHT, FOCAL
-HEMORRHAGE,-SLIGHT, FOCAL
RECTUM (RE) :
-PARASITISM,-PRESENT

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92389 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 356.5 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 8:45 PROSECTOR: MONTI THOMAS MAGUIRE RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DONIA MEYER

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS | NECROPSY | HISTOPATHOLOGY

DEATH COMMENT (DC) :
-SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
KIDNEY (KD), LIVER (LI), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92390 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 341.2 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 10:39 PROSECTOR: JAMES T. CALLEN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0368	.0108 %	.0183	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0211	.0062 %	.0105	WEIGHT TAKEN
BRAIN (BR)	2.0064	.5880 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.1624	.3407 %	.5793	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.0052	.2946 %	.5010	WEIGHT TAKEN
LIVER (LI)	9.1787	2.6901 %	4.5747	WEIGHT TAKEN
LUNG (LU)	1.5087	.4422 %	.7519	WEIGHT TAKEN
LEFT OVARY (OV0)	.0798	.0234 %	.0398	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0865	.0254 %	.0431	WEIGHT TAKEN
SPLEEN (SP)	.6107	.1790 %	.3044	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0175	.0051 %	.0087	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0151	.0044 %	.0075	WEIGHT TAKEN
UTERUS (UT)	.6848	.2007 %	.3413	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, FOCAL
	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE RED AREAS, UP TO 2 X 1 MM; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : -HEMORRHAGE,-SLIGHT, FOCAL -NECROSIS, HEPATOCELLULAR,-SLIGHT, FOCAL
		ADRENAL, CORTEX (AC) : -ONE EXAMINED,-PRESENT
		ADRENAL, MEDULLA (MA) : -ONE EXAMINED,-PRESENT
	PITUITARY (PI) : -LARGE; 6 X 4 X 3 MM; APPEARS SWOLLEN	PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, FOCAL

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Covance 6329-228
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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92390 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 341.2 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 10:39 PROSECTOR: JAMES T. CALLEN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: JARED FISHEL

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); DIFFUSE: MULTIPLE DARK RED AREAS, UP TO 1 MM IN DIAMETER GENERAL COMMENT (GC) : -BONE MARROW SMEAR TAKEN	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92390 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 341.2 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 10:39 PROSECTOR: JAMES T. CALLEN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92391 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/12/00 STUDY DAY OF DEATH: 647 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/12/00 10:36 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-LEFT; WEEK 61; 20 X 30MM; VERIFIED AT NECROPSY: NOT OBSERVED		LUNG (LU) : -HYPERPLASIA, TYPE II PNEUMOCYTE,-MODERATE, FOCAL -INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT, FOCAL
>EYES; RED DISCHARGE; EYE-LEFT; VERIFIED AT NECROPSY: OBSERVED		
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 84; 20 X 15MM; VERIFIED AT NECROPSY: OBSERVED	KIDNEY (KD) : -GRANULAR MATERIAL; BILATERAL, WITHIN PELVIS: MULTIPLE TAN AND FIRM GRANULES, UP TO 1 MM IN DIAMETER	KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL
>MASS(ES); INGUINAL REGION-RIGHT; WEEK 84; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-MODERATE, FOCAL
		THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT VENTRAL CERVICAL REGION: SINGLE MASS, 35 X 25 X 15 MM, TAN, GRAY, AND FIRM; CUT SURFACE CONTAINS A TAN CASEOUS SEMISOLID; COLLECTED; REGIONAL LN (MANDIBULAR) NORMAL (CAP 18)	MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATELY SEVERE, MULTI-FOCAL -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT -B-FIBROMA,-NEOPLASM PRESENT

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92391 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/12/00 STUDY DAY OF DEATH: 647 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/12/00 10:36 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS #2; RIGHT INGUINAL REGION: SINGLE MASS, 38 X 25 X 15 MM, DARK RED, TAN, AND SOFT; CUT SURFACE CONTAINS A TAN CASEOUS SEMISOLID; COLLECTED; REGIONAL LN (INGUINAL) NORMAL (CAP 19) -MASS #3; RIGHT ABDOMINAL REGION: SINGLE MASS, 24 MM IN DIAMETER, DARK RED AND SOFT; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NORMAL (CAP 19)	
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
		HEART (HT) : -FIBROSIS,-SLIGHT, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
		ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-MODERATE, FOCAL -HEMORRHAGE,-SLIGHT, FOCAL -THROMBUS,-SLIGHT, FOCAL
	PITUITARY (PI) : -MASS(ES); 10 X 10 X 7 MM, DARK RED, TAN, AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -PIGMENT,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92391 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/12/00 STUDY DAY OF DEATH: 647 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/12/00 10:36 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ILEUM (IL) : >AUTOLYTIC DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -DISCHARGE-OCULAR; BILATERAL: DARK RED AND MOIST	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92391 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/12/00 STUDY DAY OF DEATH: 647 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/12/00 10:36 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, INGUINAL (IN), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92392 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/21/99 STUDY DAY OF DEATH: 442 STUDY WEEK OF DEATH: 64 TERMINAL BODY WEIGHT: 286.8 GRAMS
DATE AND TIME OF NECROPSY: 06/21/99 12:39 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>DISCHARGE; NASAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE >EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, MULTI- FOCAL LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-MODERATE, MULTI-FOCAL THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATE, MULTI-FOCAL -HYPERPLASIA, GLANDULAR,-MODERATE, FOCAL
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
	PITUITARY (PI) : -MASS(ES); 10 X 8 X 4 MM, DARK RED, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		STOMACH, NONGL (SU) : -EDEMA,-MODERATE, DIFFUSE
		OVARY (OV) : -CYST,-PRESENT
		DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92392 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/21/99 STUDY DAY OF DEATH: 442 STUDY WEEK OF DEATH: 64 TERMINAL BODY WEIGHT: 286.8 GRAMS
DATE AND TIME OF NECROPSY: 06/21/99 12:39 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY RED MATERIAL -DISCHARGE-NASAL; DRY RED MATERIAL	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

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Covance 6329-228
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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92393 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/18/00 STUDY DAY OF DEATH: 653 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 517.2 GRAMS
DATE AND TIME OF NECROPSY: 01/18/00 10:44 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 73; 20 X 25MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, MULTI-FOCAL
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 60; 110 X 90MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL, MULTI-FOCAL -VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL
>MASS(ES); INGUINAL REGION-LEFT; WEEK 92; 15 X 15MM; VERIFIED AT NECROPSY: OBSERVED		
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 105 X 75 X 43 MM, TAN, LOBULATED AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (SEE AXILLARY) -MASS #2; LEFT INGUINAL REGION: SINGLE MASS, 30 X 30 X 15 MM, GREEN, TAN, LOBULATED AND SOFT; ON SECTION, EXUDES A GREEN SEMIFLUID; COLLECTED INTACT; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -GALACTOCELE,-SEVERE, MULTI-FOCAL -MINERALIZATION,-MINIMAL, MULTI-FOCAL -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT -M-CARCINOMA,-NEOPLASM PRESENT
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: NOT OBSERVED		

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Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92393 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/18/00 STUDY DAY OF DEATH: 653 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 517.2 GRAMS
DATE AND TIME OF NECROPSY: 01/18/00 10:44 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS #3; LEFT INGUINAL REGION, CRANIAL TO MASS 2: SINGLE MASS, 30 X 23 X 15 MM, TAN, RED AND FIRM; ON SECTION, EXUDES A TAN CREAMY SEMIFLUID (CAP 19); REGIONAL LN (INGUINAL) NOT IDENTIFIED; POSSIBLY CONSISTENT WITH MASS (VENTRAL ABDOMINAL LEFT) NOTED IN CLINICAL OBSERVATIONS	
		MARROW, FEMUR (FM) : -HYPERCELLULARITY, MARROW,-MODERATE, DIFFUSE MARROW, STERNUM (SE) : -HYPERCELLULARITY, MARROW,-MODERATE, DIFFUSE
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT
		HEART (HT) : -DEGENERATION/NECROSIS,-MINIMAL, MULTI-FOCAL -FIBROSIS,-SLIGHT, MULTI-FOCAL ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-MODERATE, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL
	PITUITARY (PI) : -MASS(ES); 14 X 8 X 4 MM, DARK RED, RED, GRAY AND FIRM	PITUITARY (PI) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92393 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/18/00 STUDY DAY OF DEATH: 653 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 517.2 GRAMS
DATE AND TIME OF NECROPSY: 01/18/00 10:44 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	OVARY (OV) : -CYST(S); LEFT: SINGLE CLEAR FLUID FILLED CYST, 3 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT
		DEATH COMMENT (DC) : -MAMMARY FIBROADENOMA,-PRESENT
	LN, MANDIBULAR (MN) : -LARGE; BILATERAL: EACH IS 6 X 4 X 2 MM; COLLECTED	LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOCYTIC,-SLIGHT, MULTI-FOCAL
	LN, AXILLARY (AX) : -LARGE; BILATERAL: EACH IS 10 X 7 X 3 MM (CAP 18) -DIFFUSELY RED; LEFT	LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOCYTIC,-SLIGHT, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92393 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/18/00 STUDY DAY OF DEATH: 653 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 517.2 GRAMS
DATE AND TIME OF NECROPSY: 01/18/00 10:44 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92394 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/15/99 STUDY DAY OF DEATH: 589 STUDY WEEK OF DEATH: 85 TERMINAL BODY WEIGHT: 375.9 GRAMS
DATE AND TIME OF NECROPSY: 11/15/99 14:27 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-CERVICAL; WEEK 36; 75 X 50MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL
>DISCHARGE; NASAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -DEPRESSED FOCUS(I)/AREA(S); CAUDATE LOBE: MULTIPLE DARK BROWN SLIGHTLY DEPRESSED AREAS, UP TO 5 X 4 X 2 MM (CAP 19)	LIVER (LI) : -CYST, BILIARY,-MODERATE, FOCAL -TELANGIECTASIS,-SEVERE, FOCAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT CERVICAL REGION: SINGLE MASS, 75 X 50 X 35 MM, RED, DARK RED, TAN, LOBULATED, AND VASCULAR; ON SECTION EXUDES A DARK BROWN CREAMY SEMIFLUID; COLLECTED; REGIONAL LN (MANDIBULAR) NORMAL (CAP 18)	MAMMARY, FEMALE (MF) : -GALACTOCELE,-SEVERE, MULTI-FOCAL -M-CARCINOMA,-NEOPLASM PRESENT
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT
		ADRENAL, CORTEX (AC) : -VACUOLATION,-SLIGHT, FOCAL
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 10 X 7 X 6 MM, RED, DARK RED, AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92394 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/15/99 STUDY DAY OF DEATH: 589 STUDY WEEK OF DEATH: 85 TERMINAL BODY WEIGHT: 375.9 GRAMS
DATE AND TIME OF NECROPSY: 11/15/99 14:27 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-NASAL; BILATERAL: DARK RED, DRY, CRUSTED MATERIAL -ANIMAL THIN	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92395 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 390.5 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 8:01 PROSECTOR: WENDY CHERRY RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0542	.0139 %	.0214	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0419	.0107 %	.0166	WEIGHT TAKEN
BRAIN (BR)	2.5272	.6472 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.4087	.3607 %	.5574	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.3994	.3584 %	.5537	WEIGHT TAKEN
LIVER (LI)	11.0859	2.8389 %	4.3866	WEIGHT TAKEN
LUNG (LU)	1.8104	.4636 %	.7164	WEIGHT TAKEN
LEFT OVARY (OV0)	.0517	.0132 %	.0205	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0567	.0145 %	.0224	WEIGHT TAKEN
SPLEEN (SP)	.5787	.1482 %	.2290	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0128	.0033 %	.0051	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0124	.0032 %	.0049	WEIGHT TAKEN
UTERUS (UT)	1.0112	.2590 %	.4001	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

PITUITARY (PI) :
-LARGE; 8 X 6 X 4 MM

HISTOPATHOLOGY

LUNG (LU) :
-MINERALIZATION, VASCULAR,-MINIMAL, MULTI-FOCAL
MAMMARY, FEMALE (MF) :
-GALACTOCELE,-MODERATE, FOCAL
PITUITARY (PI) :
>UNREMARKABLE
HARDERIAN GLAND (HG) :
-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
RECTUM (RE) :
-PARASITISM,-PRESENT

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92395 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 390.5 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 8:01 PROSECTOR: WENDY CHERRY RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: JARED FISHEL

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS | NECROPSY | HISTOPATHOLOGY

DEATH COMMENT (DC) :
-SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92396 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/07/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 275.2 GRAMS
DATE AND TIME OF NECROPSY: 07/07/98 8:30 PROSECTOR: JODI THIEREN RECORDER: MATTHEW AXTMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	7.6550	2.7816 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LEFT OVARY (OV0)	--------	--------	--------	NOT TAKEN
RIGHT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS	

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92396 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/07/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 275.2 GRAMS
DATE AND TIME OF NECROPSY: 07/07/98 8:30 PROSECTOR: JODI THIEREN RECORDER: MATTHEW AXTMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92397 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/07/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 273.1 GRAMS
DATE AND TIME OF NECROPSY: 07/07/98 8:43 PROSECTOR: LYNN HORNER RECORDER: MATTHEW AXTMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	8.5809	3.1420 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LEFT OVARY (OV0)	--------	--------	--------	NOT TAKEN
RIGHT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>EYES; DISPLACED PUPIL; EYE-RIGHT;
VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

APPENDIX 6

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92397 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/07/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 273.1 GRAMS
DATE AND TIME OF NECROPSY: 07/07/98 8:43 PROSECTOR: LYNN HORNER RECORDER: MATTHEW AXTMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92398 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/07/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 287.0 GRAMS
DATE AND TIME OF NECROPSY: 07/07/98 9:19 PROSECTOR: JODI THIEREN RECORDER: MATTHEW AXTMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	7.7048	2.6846 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LEFT OVARY (OV0)	--------	--------	--------	NOT TAKEN
RIGHT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92398 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/07/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 287.0 GRAMS
DATE AND TIME OF NECROPSY: 07/07/98 9:19 PROSECTOR: JODI THIEREN RECORDER: MATTHEW AXTMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92399 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/07/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 242.0 GRAMS
DATE AND TIME OF NECROPSY: 07/07/98 8:30 PROSECTOR: LYNN HORNER RECORDER: MATTHEW AXTMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	8.0109	3.3103 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LEFT OVARY (OV0)	--------	--------	--------	NOT TAKEN
RIGHT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS	

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92399 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/07/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 242.0 GRAMS
DATE AND TIME OF NECROPSY: 07/07/98 8:30 PROSECTOR: LYNN HORNER RECORDER: MATTHEW AXTMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92400 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/07/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 276.4 GRAMS
DATE AND TIME OF NECROPSY: 07/07/98 9:01 PROSECTOR: JODI THIEREN RECORDER: MATTHEW AXTMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	8.5181	3.0818 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LEFT OVARY (OV0)	--------	--------	--------	NOT TAKEN
RIGHT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN
UTEROS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: NOT APPLICABLE	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92400 SEX: FEMALE DOSE GROUP: 8 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/07/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 276.4 GRAMS
DATE AND TIME OF NECROPSY: 07/07/98 9:01 PROSECTOR: JODI THIEREN RECORDER: MATTHEW AXTMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
HEMATO NEOPLASIA (HN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92401 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/06/00 STUDY DAY OF DEATH: 641 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: 355.1 GRAMS
DATE AND TIME OF NECROPSY: 01/06/00 15:38 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) : -MINERALIZATION, PELVIC,-MODERATE, FOCAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED		MAMMARY, FEMALE (MF) : -GALACTOCELE,-MINIMAL, MULTI-FOCAL -HYPERPLASIA, GLANDULAR,-MODERATE, DIFFUSE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE		
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED	PITUITARY (PI) : -MASS(ES); 12 X 10 X 8 MM, RED, DARK RED, TAN AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
>BEHAVIOR; COLD TO TOUCH; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE	VAGINA (VA) : -SEMIFLUID MATERIAL; WITHIN LUMEN: CLEAR	VAGINA (VA) : >UNREMARKABLE
		DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL, UPPER INCISORS -DISCHARGE-OCULAR; BILATERAL: RED	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92401 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/06/00 STUDY DAY OF DEATH: 641 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: 355.1 GRAMS
DATE AND TIME OF NECROPSY: 01/06/00 15:38 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), LIVER (LI), PANCREAS (PA), THYROID (TY)

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Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92402 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 04/28/98 STUDY DAY OF DEATH: 23 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 200.5 GRAMS
DATE AND TIME OF NECROPSY: 04/28/98 8:24 PROSECTOR: TERRI L. WILLIAMS RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TROY ELLENBECKER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	7.3283	3.6550 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LEFT OVARY (OV0)	--------	--------	--------	NOT TAKEN
RIGHT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; UNVERIFIED AT NECROPSY	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS	

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92402 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 04/28/98 STUDY DAY OF DEATH: 23 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 200.5 GRAMS
DATE AND TIME OF NECROPSY: 04/28/98 8:24 PROSECTOR: TERRI L. WILLIAMS RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TROY ELLENBECKER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92403 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/27/99 STUDY DAY OF DEATH: 356 STUDY WEEK OF DEATH: 51 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/27/99 15:17 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL; WEEK 35; 10 X 10MM; VERIFIED AT NECROPSY: NOT OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL -HYPERPLASIA, GLANDULAR,-SLIGHT, FOCAL
	HEART (HT) : -LIGHT FOCUS(I)/AREA(S); DIFFUSE, EPICARDIUM: MULTIPLE GRAY INDISTINCT AREAS	HEART (HT) : -FIBROSIS,-MODERATE, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MODERATE, MULTI-FOCAL
		DEATH COMMENT (DC) : -UNDETERMINED,-PRESENT
	LN, MEDIASTINAL (ML) : -DIFFUSELY RED; DARK RED (CAP 18)	LN, MEDIASTINAL (ML) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92403 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/27/99 STUDY DAY OF DEATH: 356 STUDY WEEK OF DEATH: 51 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/27/99 15:17 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), GENERAL COMMENT (GC), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), LIVER (LI), PANCREAS (PA), THYROID (TY)

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Covance 6329-228
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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92404 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/23/99 STUDY DAY OF DEATH: 566 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 453.4 GRAMS
DATE AND TIME OF NECROPSY: 10/23/99 10:30 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>MASS(ES); VENTRAL-CERVICAL-LEFT; WEEK 70; 25 X 25MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 76; 50 X 45MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 79; VERIFIED AT NECROPSY: NOT OBSERVED
>SKIN & PELAGE; SORE/SCAB; VENTRAL-CERVICAL-LEFT; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

HISTOPATHOLOGY

LUNG (LU) :
-MINERALIZATION, VASCULAR,-MINIMAL, FOCAL
KIDNEY (KD) :
-MINERALIZATION, PELVIC,-MODERATELY SEVERE, MULTI-FOCAL
LIVER (LI) :
-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MODERATE, MULTI-FOCAL
-VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL
PANCREAS (PA) :
-ATROPHY, ACINAR,-MINIMAL, FOCAL
SKIN (SK) :
-FIBROSIS,-MODERATELY SEVERE, FOCAL
-PIGMENT,-MODERATE, MULTI-FOCAL
-M-CARCINOMA, SQUAMOUS CELL,-NEOPLASM PRESENT
MAMMARY, FEMALE (MF) :
-GALACTOCELE,-MODERATE, MULTI-FOCAL
-HEMORRHAGE,-MODERATE, MULTI-FOCAL
-B-FIBROADENOMA,-NEOPLASM PRESENT
-M-CARCINOMA,-NEOPLASM PRESENT

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92404 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/23/99 STUDY DAY OF DEATH: 566 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 453.4 GRAMS
DATE AND TIME OF NECROPSY: 10/23/99 10:30 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT LATERAL CERVICAL REGION: SINGLE MASS, 20 MM IN DIAMETER, RED, DARK RED, TAN, BROWN, SOFT, AND LOBULATED; SAME ON CUT SURFACE; OVERLYING SKIN HAS A DARK RED, DRY, CRUSTED AREA, 10 MM IN DIAMETER (CAP 21); REGIONAL LN (SEE MANDIBULAR) -THICKENED; ALL REGIONS, DIFFUSE: SOME AREAS ARE TAN, FIRM, AND LOBULATED (CAP 20) -MASS #2; LEFT LATERAL THORACIC AND LUMBAR REGIONS: SINGLE MASS, 85 X 60 X 30 MM, RED, DARK RED, TAN, BROWN, FIRM, AND LOBULATED; SAME ON CUT SURFACE; ON SECTION, SOME AREAS EXUDED A DARK RED SEMIFLUID; COLLECTED; REGIONAL LN (SEE AXILLARY)	
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT
	PITUITARY (PI) : -MASS(ES); 10 X 8 X 5 MM, RED, GRAY, TAN, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	VAGINA (VA) : -SEMIFLUID MATERIAL; WHITE AND MUCOID	VAGINA (VA) : >UNREMARKABLE
		DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92404 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/23/99 STUDY DAY OF DEATH: 566 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 453.4 GRAMS
DATE AND TIME OF NECROPSY: 10/23/99 10:30 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LN, MANDIBULAR (MN) : -MOTTLED; BILATERAL: BROWN AND TAN (CAP 19)	LN, MANDIBULAR (MN) : >UNREMARKABLE
	LN, AXILLARY (AX) : -DIFFUSELY RED; LEFT: DARK RED (CAP 18) -MOTTLED; RIGHT: DARK BROWN AND TAN (CAP 18)	LN, AXILLARY (AX) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -INFILTRATE, MACROPHAGE, VACUOLATED,-SLIGHT, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -STAINS-PERINEUM/PERIANAL; YELLOW AND MOIST	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92404 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/23/99 STUDY DAY OF DEATH: 566 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 453.4 GRAMS
DATE AND TIME OF NECROPSY: 10/23/99 10:30 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
THYROID (TY)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92405 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/20/00 STUDY DAY OF DEATH: 686 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: 364.2 GRAMS
DATE AND TIME OF NECROPSY: 02/20/00 7:53 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; BROWN HAIR COAT; PERINEAL AREA; VERIFIED AT NECROPSY: NOT OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) : -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL
>BEHAVIOR; COLD TO TOUCH; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE		MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT -HEMORRHAGE,-MODERATELY SEVERE, FOCAL
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 12 X 9 X 6 MM, RED, DARK RED, TAN, GRAY, AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	CECUM (CE) : -THICKENED WALL; DIFFUSE -MASS(ES); SINGLE MASS, 35 X 22 X 12 MM, RED, AND SOFT; SAME ON CUT SURFACE; COLLECTED INTACT WITH CECUM; REGIONAL LN (MESENTERIC) NORMAL	CECUM (CE) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
		DEATH COMMENT (DC) : -MALIGNANT LYMPHOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92405 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/20/00 STUDY DAY OF DEATH: 686 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: 364.2 GRAMS
DATE AND TIME OF NECROPSY: 02/20/00 7:53 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

HISTOPATHOLOGY

HEMATO NEOPLASIA (HN) :
-M-LYMPHOMA,-NEOPLASM PRESENT

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), THYROID (TY), LN, MESENTERIC (MS)

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92406 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 331.3 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 10:53 PROSECTOR: TODD ACKER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DONIA MEYER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0465	.0140 %	.0223	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0317	.0096 %	.0152	WEIGHT TAKEN
BRAIN (BR)	2.0870	.6299 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.3016	.3929 %	.6237	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.3809	.4168 %	.6617	WEIGHT TAKEN
LIVER (LI)	9.2698	2.7980 %	4.4417	WEIGHT TAKEN
LUNG (LU)	1.2827	.3872 %	.6146	WEIGHT TAKEN
LEFT OVARY (OV0)	.0475	.0143 %	.0228	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0543	.0164 %	.0260	WEIGHT TAKEN
SPLEEN (SP)	.4773	.1441 %	.2287	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0105	.0032 %	.0050	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0107	.0032 %	.0051	WEIGHT TAKEN
UTERUS (UT)	1.3733	.4145 %	.6580	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

KIDNEY (KD) :
-CYST(S); LEFT ON CORTICAL SURFACE, EXTENDS INTO MEDULLA: SINGLE CLEAR FLUID FILLED CYST, 6 MM IN DIAMETER

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

LUNG (LU) :
-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
KIDNEY (KD) :
-CYST,-MODERATE, FOCAL
-HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT, DIFFUSE
-INFLAMMATION, CHRONIC,-MODERATE, FOCAL
DEATH COMMENT (DC) :
-SCHEDULED SACRIFICE,-PRESENT

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92406 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 331.3 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 10:53 PROSECTOR: TODD ACKER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DONIA MEYER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LIVER (LI), PANCREAS (PA), THYROID (TY), MAMMARY, FEMALE (MF)

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92407 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 490.3 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 8:05 PROSECTOR: MONTI THOMAS MAGUIRE RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DONIA MEYER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0454	.0093 %	.0225	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0437	.0089 %	.0216	WEIGHT TAKEN
BRAIN (BR)	2.0210	.4122 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.4233	.2903 %	.7043	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.5123	.3084 %	.7483	WEIGHT TAKEN
LIVER (LI)	13.2832	2.7092 %	6.5726	WEIGHT TAKEN
LUNG (LU)	1.4892	.3037 %	.7369	WEIGHT TAKEN
LEFT OVARY (OV0)	.0476	.0097 %	.0236	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0541	.0110 %	.0268	WEIGHT TAKEN
SPLEEN (SP)	.4835	.0986 %	.2392	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0241	.0049 %	.0119	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0211	.0043 %	.0104	WEIGHT TAKEN
UTERUS (UT)	1.1172	.2279 %	.5528	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

LN, MANDIBULAR (MN) :
-DIFFUSELY RED; BILATERAL; COLLECTED
GENERAL COMMENT (GC) :
-ANIMAL OBESE
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

KIDNEY (KD) :
-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
-MINERALIZATION, PELVIC,-MINIMAL, FOCAL
DEATH COMMENT (DC) :
-SCHEDULED SACRIFICE,-PRESENT
LN, MANDIBULAR (MN) :
-HEMORRHAGE,-SLIGHT, MULTI-FOCAL

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92407 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 490.3 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 8:05 PROSECTOR: MONTI THOMAS MAGUIRE RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DONIA MEYER

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL INFORMATION (XX) :
>NOTE:>ANIMAL IDENTIFICATION
TRANSPONDER DAMAGED AT NECROPSY

- - - -

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92408 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/27/00 STUDY DAY OF DEATH: 722 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: 431.7 GRAMS
DATE AND TIME OF NECROPSY: 03/27/00 14:27 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 73; 100 X 85MM; VERIFIED AT NECROPSY: OBSERVED		LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT, FOCAL
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 92; 35 X 20MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-SLIGHT, FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
>EYES; PALE; EYES; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) : -LARGE; ALL LOBES: MARGINS APPEAR ROUNDED -RAISED FOCUS(I)/AREA(S); DIAPHRAGMATIC SURFACE OF LEFT LATERAL LOBE: SINGLE AREA, 10 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION	LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MODERATE, MULTI-FOCAL -B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT
		THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 90 X 60 X 45 MM, RED, DARK RED, TAN, VASCULAR, LOBULATED AND FIRM; SAME ON CUT SURFACE; PORTION COLLECTED; REGIONAL LN (SEE AXILLARY) -THICKENED; ALL REGIONS: DIFFUSE; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT -M-CARCINOMA,-NEOPLASM PRESENT

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Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92408 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/27/00 STUDY DAY OF DEATH: 722 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: 431.7 GRAMS
DATE AND TIME OF NECROPSY: 03/27/00 14:27 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS #2; RIGHT INGUINAL REGION: SINGLE MASS, 30 X 25 X 15 MM, RED, TAN, VASCULAR, LOBULATED, AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
	PITUITARY (PI) : -MASS(ES); 8 MM IN DIAMETER, DARK RED AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT
	LN, AXILLARY (AX) : -LARGE; RIGHT: 12 X 7 X 3 MM (LEFT IS 3 X 2 X 1 MM) (CAP 22) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	LN, AXILLARY (AX) : >UNREMARKABLE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92408 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/27/00 STUDY DAY OF DEATH: 722 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: 431.7 GRAMS
DATE AND TIME OF NECROPSY: 03/27/00 14:27 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA)

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92409 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/25/00 STUDY DAY OF DEATH: 691 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: 376.1 GRAMS
DATE AND TIME OF NECROPSY: 02/25/00 10:25 PROSECTOR: NANCY DIEDRICH RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 74; 40 X 40MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: NOT OBSERVED		LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: NOT OBSERVED	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 50 X 40 X 25 MM, RED, DARK RED, TAN, FIRM, AND LOBULATED; SAME ON CUT SURFACE; ON SECTION, SOME AREAS EXUDE A TAN CREAMY SEMIFLUID; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 21) -CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE TAN CREAMY SEMIFLUID FILLED CYSTS, UP TO 5 MM IN DIAMETER (CAP 25) -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM (CAP 24) -MASS #2; LEFT AXILLARY REGION: SINGLE MASS, 20 X 10 X 3 MM, TAN AND FIRM; SAME ON CUT SURFACE (CAP 22); REGIONAL LN (AXILLARY) NORMAL (CAP 21)	MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATE, MULTI-FOCAL -PIGMENT,-MODERATELY SEVERE, FOCAL -B-FIBROADENOMA,- 4 NEOPLASMS PRESENT
>APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE		
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE		
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92409 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/25/00 STUDY DAY OF DEATH: 691 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: 376.1 GRAMS
DATE AND TIME OF NECROPSY: 02/25/00 10:25 PROSECTOR: NANCY DIEDRICH RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS #3; RIGHT INGUINAL REGION: SINGLE MASS, 15 X 15 X 8 MM, TAN AND FIRM; SAME ON CUT SURFACE (CAP 26); REGIONAL LN (INGUINAL) NOT IDENTIFIED	
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
	ADRENAL, CORTEX (AC) : -LARGE; LEFT: 12 X 8 X 7 MM (RIGHT IS 4 X 3 X 3 MM) -MOTTLED; LEFT: RED AND BROWN	ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-SEVERE, FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL
	PITUITARY (PI) : -MASS(ES); 12 X 8 X 7 MM, RED, DARK RED, BROWN, AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	CECUM (CE) : -THICKENED WALL; DIFFUSE	CECUM (CE) : >UNREMARKABLE
	UTERUS (UT) : -MASS(ES); ATTACHED TO ENDOMETRIUM OF RIGHT MIDDLE HORN: SINGLE POLYPOID MASS, 18 X 12 X 9 MM, RED, DARK RED, SOFT, AND GELATINOUS; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (LUMBAR) NORMAL (CAP 27)	UTERUS (UT) : -DILATATION,-MODERATELY SEVERE, FOCAL -B-POLYP, ENDOMETRIAL, STROMAL,-NEOPLASM PRESENT
	VAGINA (VA) : -SEMIFLUID MATERIAL; RED SEMIFLUID	VAGINA (VA) : >UNREMARKABLE
		DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92409 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/25/00 STUDY DAY OF DEATH: 691 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: 376.1 GRAMS
DATE AND TIME OF NECROPSY: 02/25/00 10:25 PROSECTOR: NANCY DIEDRICH RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS | NECROPSY | HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), OVARY (OV), CERVIX (CV), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), THYROID (TY), LN, AXILLARY (AX)

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92410 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 450.3 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 9:48 PROSECTOR: TROY ELLENBECKER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-CERVICAL; WEEK 88; 40 X 35MM; VERIFIED AT NECROPSY: OBSERVED		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, MULTI-FOCAL
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 103; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL
	LIVER (LI) : -RED FOCUS(I)/AREA(S); RIGHT MEDIAN LOBE: SINGLE RED FOCUS, 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION	LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-SLIGHT, MULTI-FOCAL -TELANGIECTASIS,-MINIMAL, FOCAL
		THYROID (TY) : -HYPERPLASIA, C-CELL,-SLIGHT, FOCAL
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 15 X 10 X 6 MM, RED, TAN AND FIRM; SAME ON CUT SURFACE (CAP 22); REGIONAL LN (INGUINAL) NOT IDENTIFIED -MASS #2; LEFT CERVICAL REGION: SINGLE MASS, 40 X 20 X 20 MM, RED, DARK RED, TAN AND SOFT; SAME ON CUT SURFACE; SOME SECTIONS EXUDE A DARK RED SEMIFLUID; COLLECTED; REGIONAL LN (MANDIBULAR) NORMAL (CAP 23)	MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATE, MULTI-FOCAL -MINERALIZATION,-MINIMAL, MULTI-FOCAL -M-CARCINOMA,- 2 NEOPLASMS PRESENT

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92410 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 450.3 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 9:48 PROSECTOR: TROY ELLENBECKER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) PITUITARY (PI) : -MASS(ES); 10 X 8 X 4 MM, RED, DARK RED, TAN AND SOFT	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), GENERAL COMMENT (GC), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), URINARY BLADDER (UB), LN, MANDIBULAR (MN)

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3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92411 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 392.4 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 11:10 PROSECTOR: MONTI THOMAS MAGUIRE RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DONIA MEYER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0602	.0153 %	.0272	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0424	.0108 %	.0191	WEIGHT TAKEN
BRAIN (BR)	2.2159	.5647 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.5354	.3913 %	.6929	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.7134	.4366 %	.7732	WEIGHT TAKEN
LIVER (LI)	12.1056	3.0850 %	5.4631	WEIGHT TAKEN
LUNG (LU)	1.6581	.4226 %	.7483	WEIGHT TAKEN
LEFT OVARY (OV0)	.0873	.0222 %	.0394	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0786	.0200 %	.0355	WEIGHT TAKEN
SPLEEN (SP)	.5287	.1347 %	.2386	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0150	.0038 %	.0068	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0163	.0042 %	.0074	WEIGHT TAKEN
UTERUS (UT)	1.3063	.3329 %	.5895	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 44; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

MAMMARY, FEMALE (MF) :
-MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 15 X 10 X 5 MM, RED, TAN AND FIRM; SAME ON CUT SURFACE (CAP 18); REGIONAL LN (AXILLARY) NORMAL (CAP 19)
-CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE WHITE CREAMY SEMIFLUID FILLED CYSTS, UP TO 8 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION

HISTOPATHOLOGY

MAMMARY, FEMALE (MF) :
-GALACTOCELE,-MODERATE, FOCAL
-MINERALIZATION,-MINIMAL, MULTI-FOCAL
-B-FIBROADENOMA,-NEOPLASM PRESENT

DEATH COMMENT (DC) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92411 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 392.4 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 11:10 PROSECTOR: MONTI THOMAS MAGUIRE RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DONIA MEYER

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LN, MANDIBULAR (MN) : -MOTTLED; BILATERAL: RED AND DARK RED; COLLECTED GENERAL COMMENT (GC) : -MALOCCLUSION; BILATERAL UPPER INCISORS -BONE MARROW SMEAR TAKEN	LN, MANDIBULAR (MN) : >UNREMARKABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), LN, AXILLARY (AX)

APPENDIX 6

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92412 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 465.8 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 11:42 PROSECTOR: JARED FISHEL RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); ANTERIOR ASPECT: SINGLE DARK RED AND RAISED AREA, 3 MM IN DIAMETER OVARY (OV) : -CYST(S); LEFT: SINGLE CLEAR FLUID FILLED CYST, 6 MM IN DIAMETER	PITUITARY (PI) : -HEMORRHAGE,-MODERATELY SEVERE, FOCAL -B-ADENOMA,-NEOPLASM PRESENT OVARY (OV) : -CYST,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92412 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 465.8 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 11:42 PROSECTOR: JARED FISHEL RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), URINARY BLADDER (UB)

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92413 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/15/00 STUDY DAY OF DEATH: 710 STUDY WEEK OF DEATH: 102 TERMINAL BODY WEIGHT: 456.5 GRAMS
DATE AND TIME OF NECROPSY: 03/15/00 15:09 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED		LUNG (LU) :
		-MINERALIZATION, VASCULAR,-MINIMAL, FOCAL
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-RIGHT; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) :
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 96; 55 X 50MM; VERIFIED AT NECROPSY: NOT OBSERVED		-MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE, DIFFUSE
>APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE		-PYELONEPHRITIS,-MINIMAL, MULTI-FOCAL
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) :
		-FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-SLIGHT, FOCAL
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		THYROID (TY) :
		-HYPERPLASIA, C-CELL,-MINIMAL, FOCAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		MAMMARY, FEMALE (MF) :
		-GALACTOCELE,-SLIGHT, MULTI-FOCAL
	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
		-DILATATION, VENTRICULAR,-PRESENT
	ADRENAL, CORTEX (AC) :	ADRENAL, CORTEX (AC) :
	-LARGE; LEFT: 8 X 6 X 5 MM (RIGHT IS 6 X 3 X 3 MM)	-ANGIECTASIS,-MODERATE, MULTI-FOCAL
		-DEGENERATION, CYSTIC, CORTICAL,-MODERATE, FOCAL
		-HEMORRHAGE,-MODERATE, MULTI-FOCAL

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92413 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/15/00 STUDY DAY OF DEATH: 710 STUDY WEEK OF DEATH: 102 TERMINAL BODY WEIGHT: 456.5 GRAMS
DATE AND TIME OF NECROPSY: 03/15/00 15:09 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 12 X 7 X 6 MM, DARK RED, RED, TAN AND SOFT	PITUITARY (PI) : -CYST,-PRESENT -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT
	FOOT/FOOTPAD (FP) : -CRUSTED AREA(S); RIGHT HINDFOOT: SINGLE RED, TAN AND DRY AREA, 3 MM IN DIAMETER; COLLECTED	FOOT/FOOTPAD (FP) : -FIBROSIS,-MODERATE, FOCAL
	ADIPOSE TISSUE (AT) : -THICKENED; RIGHT AXILLARY REGION: SINGLE TAN AND FIRM AREA, 60 X 50 X 20 MM; COLLECTED; POSSIBLY CONSISTENT WITH MASS NOTED IN CLINICAL OBSERVATIONS	ADIPOSE TISSUE (AT) : -B-LIPOMA,-NEOPLASM PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL, UPPER INCISORS -TEETH MISSING/BROKEN/WORN; BILATERAL, UPPER INCISORS: BROKEN AT BASE	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92413 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/15/00 STUDY DAY OF DEATH: 710 STUDY WEEK OF DEATH: 102 TERMINAL BODY WEIGHT: 456.5 GRAMS
DATE AND TIME OF NECROPSY: 03/15/00 15:09 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA)

APPENDIX 6

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92414 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/14/99 STUDY DAY OF DEATH: 435 STUDY WEEK OF DEATH: 63 TERMINAL BODY WEIGHT: 513.7 GRAMS
DATE AND TIME OF NECROPSY: 06/14/99 14:08 PROSECTOR: TODD ACKER RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 44; 100 X 80MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL PANCREAS (PA) : -ATROPHY, ACINAR,-SLIGHT, FOCAL THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT INGUINAL REGION: SINGLE MASS, 120 X 80 X 50 MM (173.8 GRAMS), RED, DARK RED, TAN, VASCULAR AND SOFT; SAME ON CUT SURFACE; PORTION COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,-NEOPLASM PRESENT
	UTERUS (UT) : -CYST(S); BILATERAL, WITHIN WALLS: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 4 MM IN DIAMETER	UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-MODERATE, FOCAL
		DEATH COMMENT (DC) : -MAMMARY FIBROADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92414 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/14/99 STUDY DAY OF DEATH: 435 STUDY WEEK OF DEATH: 63 TERMINAL BODY WEIGHT: 513.7 GRAMS
DATE AND TIME OF NECROPSY: 06/14/99 14:08 PROSECTOR: TODD ACKER RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), LIVER (LI)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92415 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/15/99 STUDY DAY OF DEATH: 619 STUDY WEEK OF DEATH: 89 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/15/99 11:24 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: NOT OBSERVED	LUNG (LU) : -UNCOLLAPSED; ALL LOBES	LUNG (LU) : -MINERALIZATION, VASCULAR,-SLIGHT, FOCAL KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -MINERALIZATION, PELVIC,-MODERATELY SEVERE, MULTI-FOCAL LIVER (LI) : -DEGENERATION, CYSTIC,-MINIMAL, FOCAL PANCREAS (PA) : -ATROPHY, ACINAR,-MODERATE, MULTI-FOCAL
	MAMMARY, FEMALE (MF) : -CYST(S); LEFT INGUINAL REGION: SINGLE TAN, CREAMY SEMIFLUID FILLED CYST, 25 X 25 X 5 MM; TISSUE SURROUNDING IS THICKENED, TAN AND FIRM (CAP 18) BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) PITUITARY (PI) : -MASS(ES); 11 X 9 X 7 MM, RED, DARK RED, GREY, LOBULATED AND SOFT OVARY (OV) : -CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 3 MM IN DIAMETER	MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATELY SEVERE, MULTI-FOCAL -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT, MULTI-FOCAL BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT OVARY (OV) : -CYST,-PRESENT

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Covance 6329-228
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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92415 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/15/99 STUDY DAY OF DEATH: 619 STUDY WEEK OF DEATH: 89 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/15/99 11:24 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS | NECROPSY | HISTOPATHOLOGY

DEATH COMMENT (DC) :
-PITUITARY ADENOMA,-PRESENT

GENERAL COMMENT (GC) :
-ANIMAL OBESE

- - - -

APPENDIX 6

Covance 6329-228
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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92416 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 416.9 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 10:30 PROSECTOR: JAMES T. CALLEN RECORDER: PAMELA L. SCHULZ-STUEBER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); TAIL-PROXIMAL; WEEK 75; 20 X 15MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL
>WART LIKE LESION(S); HEAD-MAXILLARY-RIGHT; WEEK 79; VERIFIED AT NECROPSY: OBSERVED		THYROID (TY) : -HYPERPLASIA, C-CELL,-SLIGHT, FOCAL
>SKIN & PELAGE; RED HAIR COAT; HEAD-CRANIAL; VERIFIED AT NECROPSY: OBSERVED	SKIN (SK) : -CRUSTED AREA(S); RIGHT EYELID: SINGLE DRY, TAN CRUSTED AREA, 6 X 4 MM (CAP 22)	SKIN (SK) : -B-PAPILLOMA, SQUAMOUS CELL,-NEOPLASM PRESENT
>SKIN & PELAGE; SORE/SCAB; TAIL; VERIFIED AT NECROPSY: OBSERVED		DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT
	TAIL (TI) : -ULCERATION(S)/ABRASION(S); 25 MM FROM BASE OF TAIL: SINGLE TAN, RED, MOIST, RAISED ULCERATED AREA, 22 X 19 X 14 MM; COLLECTED; POSSIBLY CONSISTENT WITH MASS (TAIL) AS NOTED IN CLINICAL OBSERVATIONS	TAIL (TI) : -EROSION,-MODERATE, FOCAL -INFLAMMATION, ACUTE,-SLIGHT, FOCAL -M-FIBROSARCOMA,-NEOPLASM PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -STAINS - SKIN/HAIRCOAT; ENTIRE HEAD: DRY RED MATERIAL	

APPENDIX 6

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92416 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 416.9 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 10:30 PROSECTOR: JAMES T. CALLEN RECORDER: PAMELA L. SCHULZ-STUEBER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), LIVER (LI), PANCREAS (PA), MAMMARY, FEMALE (MF), URINARY BLADDER (UB)

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Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92417 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/18/00 STUDY DAY OF DEATH: 653 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 237.7 GRAMS
DATE AND TIME OF NECROPSY: 01/18/00 10:16 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		LUNG (LU) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-SLIGHT, MULTI-FOCAL -MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
>APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE		MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
	ADRENAL, CORTEX (AC) : -LARGE; RIGHT: 7 MM IN DIAMETER (LEFT IS 4 MM IN DIAMETER) -MOTTLED; RIGHT: BROWN AND RED	ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-MODERATELY SEVERE, FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -VACUOLATION,-SLIGHT, MULTI-FOCAL
	PITUITARY (PI) : -MASS(ES); 12 X 10 X 6 MM, DARK RED, LOBULATED AND FIRM	PITUITARY (PI) : -CYST,-PRESENT -HEMORRHAGE,-MODERATE, MULTI-FOCAL

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92417 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/18/00 STUDY DAY OF DEATH: 653 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 237.7 GRAMS
DATE AND TIME OF NECROPSY: 01/18/00 10:16 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	OVARY (OV) : -CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 6 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT
		DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -STAINS-PERINEUM/PERIANAL; DRY BROWN MATERIAL -DISCHARGE-OCULAR; BILATERAL: DRY RED MATERIAL -ANIMAL THIN	

APPENDIX 6

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92417 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/18/00 STUDY DAY OF DEATH: 653 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 237.7 GRAMS
DATE AND TIME OF NECROPSY: 01/18/00 10:16 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), THYROID (TY)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92418 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 427.0 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 11:10 PROSECTOR: TODD ACKER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DONIA MEYER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0407	.0095 %	.0201	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0289	.0068 %	.0143	WEIGHT TAKEN
BRAIN (BR)	2.0241	.4740 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.2464	.2919 %	.6158	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.2915	.3025 %	.6381	WEIGHT TAKEN
LIVER (LI)	11.4976	2.6926 %	5.6804	WEIGHT TAKEN
LUNG (LU)	1.4056	.3292 %	.6944	WEIGHT TAKEN
LEFT OVARY (OV0)	.0639	.0150 %	.0316	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0487	.0114 %	.0241	WEIGHT TAKEN
SPLEEN (SP)	.5717	.1339 %	.2824	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0150	.0035 %	.0074	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0113	.0026 %	.0056	WEIGHT TAKEN
UTERUS (UT)	1.0721	.2511 %	.5297	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

DEATH COMMENT (DC) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92418 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 427.0 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 11:10 PROSECTOR: TODD ACKER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DONIA MEYER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), MAMMARY, FEMALE (MF)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92419 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 402.7 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 8:32 PROSECTOR: JODI THIEREN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL -PYELONEPHRITIS,-MINIMAL, MULTI-FOCAL
>MASS(ES); AXILLARY REGION-LEFT; WEEK 96; VERIFIED AT NECROPSY: OBSERVED		
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 101; 25 X 25MM; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -CYST(S); DIAPHRAGMATIC SURFACE OF RIGHT MEDIAN LOBE: SINGLE CLEAR FLUID FILLED CYST, 1 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 16 X 8 X 8 MM, TAN, DARK BROWN, FIRM AND LOBULATED (CAP 22); SAME ON CUT SURFACE; REGIONAL LN (SEE AXILLARY) -THICKENED; ALL REGIONS DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION -MASS #2; RIGHT AXILLARY REGION: SINGLE MASS, 35 X 25 X 21 MM, RED, TAN, FIRM AND LOBULATED; ON SECTION EXUDES A TAN CREAMY SEMISOLID MATERIAL; COLLECTED; REGIONAL LN (SEE AXILLARY) BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	LIVER (LI) : -DEGENERATION, CYSTIC,-MODERATE, FOCAL -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MODERATE, MULTI-FOCAL MAMMARY, FEMALE (MF) : -GALACTOCELE,-SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT

APPENDIX 6

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92419 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 402.7 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 8:32 PROSECTOR: JODI THIEREN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	ADRENAL, CORTEX (AC) : -LARGE; RIGHT: 6 MM IN DIAMETER (LEFT IS 3 MM IN DIAMETER)	ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-MODERATELY SEVERE, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL
	PITUITARY (PI) : -MASS(ES); 10 X 8 X 4 MM, DARK RED, GRAY, SOFT AND LOBULATED	PITUITARY (PI) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -PIGMENT,-MINIMAL, FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	UTERUS (UT) : -CYST(S); WITHIN WALL OF RIGHT HORN: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 7 X 6 X 6 MM	UTERUS (UT) : -DILATATION,-MODERATE, DIFFUSE -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-MODERATELY SEVERE, MULTI-FOCAL
		DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT
	LN, AXILLARY (AX) : -MOTTLED; BILATERAL: DARK RED AND BROWN (CAP 23)	LN, AXILLARY (AX) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -INFILTRATE, MACROPHAGE, VACUOLATED,-MINIMAL, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL LOWER INCISORS -BONE MARROW SMEAR TAKEN -TEETH MISSING/BROKEN/WORN; RIGHT UPPER INCISOR: BROKEN OFF AT BASE	

APPENDIX 6

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92419 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 402.7 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 8:32 PROSECTOR: JODI THIEREN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), THYROID (TY), URINARY BLADDER (UB)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92420 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/23/99 STUDY DAY OF DEATH: 505 STUDY WEEK OF DEATH: 73 TERMINAL BODY WEIGHT: 569.1 GRAMS
DATE AND TIME OF NECROPSY: 08/23/99 13:40 PROSECTOR: TONY HANFELD RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 59; 55 X 60MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL
>SKIN & PELAGE; SORE/SCAB; AXILLARY REGION-RIGHT; VERIFIED AT NECROPSY: OBSERVED	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT SHOULDER REGION: SINGLE MASS, 68 X 51 X 43 MM, RED, DARK RED, TAN, FIRM AND LOBULATED; SAME ON CUT SURFACE; OVERLYING SKIN HAS A SINGLE DRY RED CRUSTED AREA, 9 X 4 MM; COLLECTED INTACT; POSSIBLY CONSISTENT WITH SCAB (RIGHT AXILLARY) AS NOTED IN CLINICAL OBSERVATIONS; REGIONAL LN (AXILLARY) NORMAL (CAP 18) -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION PITUITARY (PI) : -LARGE; 6 X 6 X 4 MM; APPEARS SWOLLEN UTERUS (UT) : -CYST(S); BILATERAL, WITHIN LUMEN: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 5 MM IN DIAMETER	MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATE, MULTI-FOCAL -HEMORRHAGE,-MODERATE, FOCAL -INFLAMMATION, ACUTE,-SLIGHT, MULTI-FOCAL -PIGMENT,-SLIGHT, FOCAL -M-CARCINOMA,-NEOPLASM PRESENT PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT UTERUS (UT) : -DILATATION,-MODERATELY SEVERE, FOCAL -B-POLYP, ENDOMETRIAL, STROMAL,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92420 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/23/99 STUDY DAY OF DEATH: 505 STUDY WEEK OF DEATH: 73 TERMINAL BODY WEIGHT: 569.1 GRAMS
DATE AND TIME OF NECROPSY: 08/23/99 13:40 PROSECTOR: TONY HANFELD RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

UTERUS (UT) :
-MASS(ES); RIGHT HORN, WITHIN LUMEN, ATTACHED TO WALL: SINGLE MASS, 19 X 6 X 6 MM, TAN AND SOFT; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (LUMBAR) NORMAL (CAP 19)

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN

HISTOPATHOLOGY

DEATH COMMENT (DC) :
-MAMMARY CARCINOMA,-PRESENT

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), LN, AXILLARY (AX), LN, LUMBAR/ILIAC (LM)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92421 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 446.1 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 12:51 PROSECTOR: JAMES T. CALLEN RECORDER: PAMELA L. SCHULZ-STUEBER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: NOT OBSERVED	LUNG (LU) :	LUNG (LU) :
>SKIN & PELAGE; SORE/SCAB; VENTRAL-ABDOMINAL-RIGHT; VERIFIED AT NECROPSY: OBSERVED	-LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN AREAS, UP TO 4 X 3 MM	-INFILTRATE, MACROPHAGE, ALVEOLAR,-MODERATE, MULTI-FOCAL
		KIDNEY (KD) :
		-MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
		LIVER (LI) :
		-INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
	SKIN (SK) :	SKIN (SK) :
	-CRUSTED AREA(S); MID PERIANAL REGION: SINGLE DRY, TAN CRUSTED AREA, 7 MM IN DIAMETER (CAP 22)	-INFLAMMATION, CHRONIC-ACTIVE,-MODERATE, MULTI-FOCAL
		-B-KERATOACANTHOMA,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) :
		-GALACTOCELE,-SLIGHT, MULTI-FOCAL
	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
		-DILATATION, VENTRICULAR,-PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 11 X 8 X 5 MM, RED, DARK RED, AND FIRM	-B-ADENOMA,-NEOPLASM PRESENT
		DEATH COMMENT (DC) :
		-SCHEDULED SACRIFICE,-PRESENT

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92421 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 446.1 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 12:51 PROSECTOR: JAMES T. CALLEN RECORDER: PAMELA L. SCHULZ-STUEBER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LN, MANDIBULAR (MN) : -LARGE; BILATERAL: EACH IS 11 X 7 X 4 MM (CAP 23) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOCYTIC,-SLIGHT, MULTI-FOCAL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), THYROID (TY), URINARY BLADDER (UB)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92422 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 405.4 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 10:56 PROSECTOR: JAMES T. CALLEN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0352	.0087 %	.0164	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0282	.0070 %	.0131	WEIGHT TAKEN
BRAIN (BR)	2.1483	.5299 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.1812	.2914 %	.5498	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.1924	.2941 %	.5550	WEIGHT TAKEN
LIVER (LI)	8.9117	2.1982 %	4.1483	WEIGHT TAKEN
LUNG (LU)	1.4161	.3493 %	.6592	WEIGHT TAKEN
LEFT OVARY (OV0)	.0726	.0179 %	.0338	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0724	.0179 %	.0337	WEIGHT TAKEN
SPLEEN (SP)	.5826	.1437 %	.2712	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0173	.0043 %	.0081	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0231	.0057 %	.0108	WEIGHT TAKEN
UTERUS (UT)	.5629	.1389 %	.2620	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

DEATH COMMENT (DC) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92422 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 405.4 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 10:56 PROSECTOR: JAMES T. CALLEN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), MAMMARY, FEMALE (MF)

APPENDIX 6

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92423 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 566.4 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 10:33 PROSECTOR: JODI THIEREN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL LIVER (LI) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PARATHYROID (PT) : -LARGE; RIGHT: 4 X 3 X 2 MM (LEFT IS 1 MM IN DIAMETER)	PARATHYROID (PT) : >UNREMARKABLE
		MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT
	PITUITARY (PI) : -MASS(ES); 6 X 5 X 4 MM, RED, DARK RED, GRAY AND FIRM	PITUITARY (PI) : -CYST,-PRESENT -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	OVARY (OV) : -CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 2 MM IN DIAMETER	OVARY (OV) : >UNREMARKABLE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92423 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 566.4 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 10:33 PROSECTOR: JODI THIEREN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

HISTOPATHOLOGY

DEATH COMMENT (DC) :
-SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), URINARY BLADDER (UB)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92424 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 399.4 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 8:03 PROSECTOR: TODD ACKER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DONIA MEYER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0428	.0107 %	.0215	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0470	.0118 %	.0236	WEIGHT TAKEN
BRAIN (BR)	1.9919	.4987 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.3161	.3295 %	.6607	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.3429	.3362 %	.6742	WEIGHT TAKEN
LIVER (LI)	10.7548	2.6927 %	5.3993	WEIGHT TAKEN
LUNG (LU)	1.5499	.3881 %	.7781	WEIGHT TAKEN
LEFT OVARY (OV0)	.0701	.0176 %	.0352	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0572	.0143 %	.0287	WEIGHT TAKEN
SPLEEN (SP)	.5224	.1308 %	.2623	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0323	.0081 %	.0162	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0121	.0030 %	.0061	WEIGHT TAKEN
UTERUS (UT)	1.3871	.3473 %	.6964	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

UTERUS (UT) :
-CYST(S); WITHIN WALL OF RIGHT HORN: SINGLE CLEAR FLUID FILLED CYST, 15 X 5 X 5 MM

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

THYROID (TY) :
-CYST, FOLLICULAR,-MODERATE, FOCAL
MAMMARY, FEMALE (MF) :
-GALACTOCELE,-MINIMAL, MULTI-FOCAL
UTERUS (UT) :
-HYPERPLASIA, CYSTIC, ENDOMETRIAL,-MODERATE, FOCAL

DEATH COMMENT (DC) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92424 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 399.4 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 8:03 PROSECTOR: TODD ACKER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DONIA MEYER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92425 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/28/00 STUDY DAY OF DEATH: 694 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: 555.1 GRAMS
DATE AND TIME OF NECROPSY: 02/28/00 13:50 PROSECTOR: TERRI L. WILLIAMS RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); INGUINAL REGION-RIGHT; WEEK 84; 50 X 50MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
>MASS(ES); INGUINAL REGION-LEFT; WEEK 92; 30 X 25MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -HEMATOPOIESIS, EXTRAMEDULLARY,-SLIGHT, MULTI-FOCAL
>SKIN & PELAGE; SORE/SCAB; VENTRAL-ABDOMINAL-LEFT; VERIFIED AT NECROPSY: OBSERVED		THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 50 X 30 X 25 MM, RED, TAN, FIRM, AND LOBULATED; SOME SECTIONS EXUDE A TAN CREAMY SEMIFLUID; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED -MASS #2; RIGHT PERIANAL REGION: SINGLE MASS, 45 X 30 X 15 MM, RED, TAN, FIRM, AND LOBULATED; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED; OVERLYING SKIN HAS A SINGLE RED AND TAN AREA, EXTENDING INTO LEFT INGUINAL REGION, 50 X 30 MM; COLLECTED WITH MASS	MAMMARY, FEMALE (MF) : -GALACTOCELE,-SEVERE, MULTI-FOCAL -MINERALIZATION,-MINIMAL, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT -M-CARCINOMA,-NEOPLASM PRESENT
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92425 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/28/00 STUDY DAY OF DEATH: 694 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: 555.1 GRAMS
DATE AND TIME OF NECROPSY: 02/28/00 13:50 PROSECTOR: TERRI L. WILLIAMS RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

SPLEEN (SP) :
-LARGE; 52 X 12 X 8 MM

PITUITARY (PI) :
-MASS(ES); 6 X 5 X 3 MM, RED, TAN, GREY, AND SOFT

OVARY (OV) :
-CYST(S); RIGHT: SINGLE RED FLUID FILLED CYST, 5 MM IN DIAMETER

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN

HISTOPATHOLOGY

SPLEEN (SP) :
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT, MULTI-FOCAL

PITUITARY (PI) :
-PIGMENT,-SLIGHT, FOCAL
-B-ADENOMA,-NEOPLASM PRESENT

OVARY (OV) :
-CYST,-PRESENT

DEATH COMMENT (DC) :
-MAMMARY CARCINOMA,-PRESENT

APPENDIX 6

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92425 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/28/00 STUDY DAY OF DEATH: 694 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: 555.1 GRAMS
DATE AND TIME OF NECROPSY: 02/28/00 13:50 PROSECTOR: TERRI L. WILLIAMS RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA)

APPENDIX 6

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92426 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 377.6 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 12:42 PROSECTOR: DENNIS HOFFMAN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EYES; RED DISCHARGE; EYE-LEFT; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-SLIGHT, MULTI-FOCAL
>SKIN & PELAGE; SORE/SCAB; PAWS-HIND; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) :	LIVER (LI) :
>MASS(ES); DORSAL; WEEK 83; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED	-RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 5 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	>UNREMARKABLE
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 101; 70 X 65MM; VERIFIED AT NECROPSY: OBSERVED		THYROID (TY) : -B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT
>SKIN & PELAGE; SORE/SCAB; DORSAL; VERIFIED AT NECROPSY: OBSERVED	SKIN (SK) :	SKIN (SK) :
	-MASS(ES); DORSAL SURFACE OF RIGHT LUMBAR REGION: SINGLE MASS, 5 X 15 X 18 MM, FIRM, RED, TAN AND BROWN; SAME ON CUT SURFACE; OVERLYING SKIN HAS A DRY, BROWN CRUSTED AREA, 8 MM IN DIAMETER (CAP 23); REGIONAL LN (SEE LUMBAR)	-CYST, EPIDERMAL INCLUSION,-PRESENT
	MAMMARY, FEMALE (MF) :	MAMMARY, FEMALE (MF) :
	-MASS(ES); LEFT INGUINAL REGION: SINGLE FIRM, LOBULATED, RED AND TAN MASS, 31 X 45 X 60 MM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	-GALACTOCELE,-MODERATE, MULTI-FOCAL -MINERALIZATION,-MINIMAL, MULTI-FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT

APPENDIX 6

Covance 6329-228
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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92426 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 377.6 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 12:42 PROSECTOR: DENNIS HOFFMAN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) PITUITARY (PI) : -MASS(ES); SINGLE MASS, 6 X 6 X 8 MM, FIRM, RED, DARK RED AND TAN FOOT/FOOTPAD (FP) : -ABRASION(S)/ULCERATION(S); RIGHT HINDFOOT: SINGLE DRY, RED, BROWN ABRADED AREA, 8 X 12 MM COLLECTED >NOTE:>LEFT HINDFOOT SORE/SCAB NOT SEEN AS NOTED IN CLINICAL OBSERVATIONS LN, LUMBAR/ILIAC (LM) : -LARGE; RIGHT, LUMBAR: 4 X 6 X 9 MM (LEFT IS 2 X 2 X 4 MM) (CAP 24) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; LEFT: DRY, RED MATERIAL -BONE MARROW SMEAR TAKEN	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT FOOT/FOOTPAD (FP) : -EROSION,-MODERATELY SEVERE, FOCAL -EXOSTOSES,-MODERATELY SEVERE, MULTI-FOCAL -INFLAMMATION, ACUTE,-MODERATELY SEVERE, MULTI-FOCAL LN, LUMBAR/ILIAC (LM) : >UNREMARKABLE

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92426 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 377.6 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 12:42 PROSECTOR: DENNIS HOFFMAN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), URINARY BLADDER (UB)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92427 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/14/99 STUDY DAY OF DEATH: 435 STUDY WEEK OF DEATH: 63 TERMINAL BODY WEIGHT: 542.3 GRAMS
DATE AND TIME OF NECROPSY: 06/14/99 13:47 PROSECTOR: TODD ACKER RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 55; 110 X 100MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, FOCAL LIVER (LI) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -NECROSIS, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL
>SKIN & PELAGE; SORE/SCAB; LATERAL-ABDOMINAL-RIGHT; VERIFIED AT NECROPSY: OBSERVED		
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 120 X 90 X 80 MM (291.6 GRAMS), RED, DARK RED, TAN, VASCULAR AND SOFT; SAME ON CUT SURFACE; PORTION COLLECTED; OVERLYING SKIN HAS A SINGLE DARK RED, TAN AND DRY CRUSTED AREA, 35 X 20 MM; COLLECTED INTACT WITH MASS; REGIONAL LN (AXILLARY) NOT IDENTIFIED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,-NEOPLASM PRESENT DEATH COMMENT (DC) : -MAMMARY FIBROADENOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92427 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/14/99 STUDY DAY OF DEATH: 435 STUDY WEEK OF DEATH: 63 TERMINAL BODY WEIGHT: 542.3 GRAMS
DATE AND TIME OF NECROPSY: 06/14/99 13:47 PROSECTOR: TODD ACKER RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), THYROID (TY)

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Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92428 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/07/99 STUDY DAY OF DEATH: 428 STUDY WEEK OF DEATH: 62 TERMINAL BODY WEIGHT: 384.4 GRAMS
DATE AND TIME OF NECROPSY: 06/07/99 14:15 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-LEFT; WEEK 51; 85 X 75MM; VERIFIED AT NECROPSY: OBSERVED		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, MULTI-FOCAL
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-MODERATE, FOCAL
>SKIN & PELAGE; SORE/SCAB; VENTRAL-CERVICAL; VERIFIED AT NECROPSY: NOT OBSERVED		LIVER (LI) : -HEMORRHAGE,-MINIMAL, FOCAL -NECROSIS, HEPATOCELLULAR,-MODERATE, FOCAL
>SKIN & PELAGE; RED HAIR COAT; VENTRAL-ABDOMINAL-LEFT; VERIFIED AT NECROPSY: OBSERVED	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION, EXTENDING TO MID VENTRAL CERVICAL REGION: SINGLE MASS, 100 X 80 X 50 MM, RED, DARK RED, TAN, FIRM, AND LOBULATED; SOME AREAS EXUDE A DARK BROWN CREAMY SEMIFLUID MATERIAL; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 18) SPLEEN (SP) : -DIFFUSELY LIGHT; TAN ADRENAL, CORTEX (AC) : -LARGE; BILATERAL: LEFT IS 9 MM IN DIAMETER, RIGHT IS 7 MM IN DIAMETER	MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATELY SEVERE, MULTI-FOCAL -MINERALIZATION,-MINIMAL, MULTI-FOCAL -M-CARCINOMA,-NEOPLASM PRESENT SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE, DIFFUSE ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATELY SEVERE, MULTI-FOCAL

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92428 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/07/99 STUDY DAY OF DEATH: 428 STUDY WEEK OF DEATH: 62 TERMINAL BODY WEIGHT: 384.4 GRAMS
DATE AND TIME OF NECROPSY: 06/07/99 14:15 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-MODERATELY SEVERE, FOCAL -HEMATOPOIESIS, EXTRAMEDULLARY,-SLIGHT, MULTI-FOCAL -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL
	PITUITARY (PI) : -LARGE; 7 X 5 X 3 MM; APPEARS SWOLLEN	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	SALIV GL, MANDIB (SG) : >NOTE:>DUE TO MASS, LEFT SALIVARY GLAND IS MISSING	SALIV GL, MANDIB (SG) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN AREAS, UP TO 3 X 1 MM	STOMACH, GL (ST) : >UNREMARKABLE
		DEATH COMMENT (DC) : -MAMMARY CARCINOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -STAINS-PERINEUM/PERIANAL; DARK RED, DRY MATERIAL -DISCHARGE-OCULAR; BILATERAL: DARK RED, DRY MATERIAL	

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92428 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/07/99 STUDY DAY OF DEATH: 428 STUDY WEEK OF DEATH: 62 TERMINAL BODY WEIGHT: 384.4 GRAMS
DATE AND TIME OF NECROPSY: 06/07/99 14:15 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), THYROID (TY), LN, AXILLARY (AX)

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92429 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 06/10/99 STUDY DAY OF DEATH: 431 STUDY WEEK OF DEATH: 62 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 06/10/99 14:30 PROSECTOR: DAVID SCHUETTE RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: NOT OBSERVED	LUNG (LU) : -UNCOLLAPSED; ALL LOBES -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 5 MM IN DIAMETER LIVER (LI) : -LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN, SLIGHTLY RAISED AREAS, UP TO 4 MM IN DIAMETER (COLLECTED WITH ROUTINE SECTIONS) SPLEEN (SP) : -LARGE; 60 X 12 X 6 MM CECUM (CE) : -MASS(ES); WITHIN LUMEN, ATTACHED TO MUCOSA: SINGLE MASS, 40 X 25 X 20 MM, DARK RED, TAN AND SOFT; SAME ON CUT SURFACE (COLLECTED INTACT); REGIONAL LN (MESENTERIC) NORMAL	LUNG (LU) : >UNREMARKABLE KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, FOCAL LIVER (LI) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT, MULTI-FOCAL CECUM (CE) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT DEATH COMMENT (DC) : -HISTIOCYTIC SARCOMA,-PRESENT

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92429 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 06/10/99 STUDY DAY OF DEATH: 431 STUDY WEEK OF DEATH: 62 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 06/10/99 14:30 PROSECTOR: DAVID SCHUETTE RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		HEMATO NEOPLASIA (HN) : -M-SARCOMA, HISTIOCYTIC,-NEOPLASM PRESENT
	GENERAL COMMENT (GC) : -DISCHARGE-OCULAR; RIGHT: DRY DARK BROWN MATERIAL -DISCHARGE-NASAL; DRY BROWN MATERIAL	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), THYROID (TY), MAMMARY, FEMALE (MF)

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92430 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 506.9 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 7:59 PROSECTOR: WENDY CHERRY RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED >MASS(ES); VENTRAL-ABDOMINAL; WEEK 102; 40 X 40MM; VERIFIED AT NECROPSY: OBSERVED		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, FOCAL KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL
	LIVER (LI) : -DARK FOCUS(I)/AREA(S); RIGHT MEDIAN LOBE: SINGLE DARK BROWN AREA, 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION	LIVER (LI) : >UNREMARKABLE
		THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); MID ABDOMINAL REGION: SINGLE MASS, 60 X 45 X 15 MM, GRAY, DARK RED AND SOFT; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATE, MULTI-FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT
	PITUITARY (PI) : -MASS(ES); 9 X 9 X 6 MM, DARK RED, TAN AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92430 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 506.9 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 7:59 PROSECTOR: WENDY CHERRY RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT
	FOOT/FOOTPAD (FP) : -ABRASION(S)/ULCERATION(S); LEFT HINDFOOT: SINGLE DARK RED AND TAN ABRADED AREA, 8 MM IN DIAMETER; COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	FOOT/FOOTPAD (FP) : -CYST,-PRESENT -FIBROSIS,-MODERATE, DIFFUSE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), URINARY BLADDER (UB)

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92431 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 593.8 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 10:30 PROSECTOR: WENDY CHERRY RECORDER: PAMELA L. SCHULZ-STUEBER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); INGUINAL REGION-LEFT; WEEK 95; 50 X 50MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 96; 40 X 30MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MODERATELY SEVERE, FOCAL
		PANCREAS (PA) : -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT
		THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 40 X 27 X 15 MM, DARK RED, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 22) -MASS #2; LEFT INGUINAL REGION: SINGLE MASS, 55 X 55 X 20 MM, TAN, GRAY AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT
		PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL

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3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92431 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 593.8 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 10:30 PROSECTOR: WENDY CHERRY RECORDER: PAMELA L. SCHULZ-STUEBER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 6 X 5 X 4 MM, DARK RED, GRAY AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT
		LN, AXILLARY (AX) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), URINARY BLADDER (UB)

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3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92432 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/24/99 STUDY DAY OF DEATH: 537 STUDY WEEK OF DEATH: 77 TERMINAL BODY WEIGHT: 312.1 GRAMS
DATE AND TIME OF NECROPSY: 09/24/99 12:47 PROSECTOR: JARED FISHEL RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-THORACIC-LEFT; WEEK 65; 50 X 45MM; VERIFIED AT NECROPSY: OBSERVED	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION EXTENDING TO LATERAL THORACIC REGION: SINGLE MASS, 55 X 50 X 24 MM, RED, TAN, FIRM AND LOBULATED; SOME SECTIONS EXUDE A CREAMY WHITE SEMIFLUID; COLLECTED INTACT; REGIONAL LN (AXILLARY) NORMAL (CAP 18)	MAMMARY, FEMALE (MF) : -GALACTOCELE,-SEVERE, MULTI-FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED		
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE		
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE	ADRENAL, CORTEX (AC) : -LARGE; RIGHT: 9 X 7 X 6 MM (LEFT IS 6 X 4 X 3 MM)	ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE, MULTI-FOCAL -DEGENERATION, CYSTIC, CORTICAL,-SEVERE, FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL -PIGMENT,-MINIMAL, MULTI-FOCAL -THROMBUS,-SLIGHT, MULTI-FOCAL
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 13 X 8 X 6 MM, RED, DARK RED, TAN, SOFT AND LOBULATED	PITUITARY (PI) : -HEMORRHAGE,-SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	UTERUS (UT) : -CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 5 MM IN DIAMETER	UTERUS (UT) : -DILATATION,-MINIMAL, DIFFUSE

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92432 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/24/99 STUDY DAY OF DEATH: 537 STUDY WEEK OF DEATH: 77 TERMINAL BODY WEIGHT: 312.1 GRAMS
DATE AND TIME OF NECROPSY: 09/24/99 12:47 PROSECTOR: JARED FISHEL RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	VAGINA (VA) : -SEMIFLUID MATERIAL; WITHIN LUMEN: WHITE MUCOID MATERIAL	VAGINA (VA) : >UNREMARKABLE
		DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: RED	LN, MANDIBULAR (MN) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL, UPPER INCISORS	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), OVARY (OV), CERVIX (CV), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), LN, AXILLARY (AX)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92433 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 362.3 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 8:04 PROSECTOR: TONY HANFELD RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0407	.0112 %	.0208	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0424	.0117 %	.0216	WEIGHT TAKEN
BRAIN (BR)	1.9586	.5406 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.2071	.3332 %	.6163	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.1803	.3258 %	.6026	WEIGHT TAKEN
LIVER (LI)	10.6892	2.9504 %	5.4576	WEIGHT TAKEN
LUNG (LU)	1.5529	.4286 %	.7929	WEIGHT TAKEN
LEFT OVARY (OV0)	.0273	.0075 %	.0139	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0651	.0180 %	.0332	WEIGHT TAKEN
SPLEEN (SP)	.5780	.1595 %	.2951	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0184	.0051 %	.0094	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0144	.0040 %	.0074	WEIGHT TAKEN
UTERUS (UT)	.9246	.2552 %	.4721	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

MAMMARY, FEMALE (MF) :
-CYST(S); ALL REGIONS DIFFUSE:
MULTIPLE TAN CREAMY SEMIFLUID FILLED
CYSTS, UP TO 10 MM IN DIAMETER;
COLLECTED ON ROUTINE SECTION

HISTOPATHOLOGY

KIDNEY (KD) :
-CAST, PROTEINACEOUS,-MINIMAL, MULTI-
FOCAL
-MINERALIZATION, PELVIC,-MINIMAL, MULTI-
FOCAL
PANCREAS (PA) :
-ATROPHY, ACINAR,-MODERATE, FOCAL
MAMMARY, FEMALE (MF) :
-GALACTOCELE,-MODERATELY SEVERE, MULTI-
FOCAL

APPENDIX 6

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92433 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 362.3 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 8:04 PROSECTOR: TONY HANFELD RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: JARED FISHEL

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: DARK RED; COLLECTED	LN, MANDIBULAR (MN) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI- FOCAL
	GENERAL COMMENT (GC) : -BONE MARROW SMEAR TAKEN	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), LIVER (LI), THYROID (TY)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92434 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/29/99 STUDY DAY OF DEATH: 633 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/29/99 11:26 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); SHOULDER-RIGHT; WEEK 55; 80 X 65MM; VERIFIED AT NECROPSY: OBSERVED >MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 70; 40 X 50MM ANTERIOR; VERIFIED AT NECROPSY: OBSERVED >MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 74; 100 X 75MM POSTERIOR; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 80 X 55 X 25 MM, TAN, GRAY, LOBULATED AND FIRM; SAME ON CUT SURFACE; PORTION COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED -MASS #2; RIGHT INGUINAL REGION: SINGLE MASS, 50 X 40 X 35 MM, RED, DARK RED, GRAY, TAN, LOBULATED, AND FIRM; SOME SECTIONS EXUDE A TAN AND CREAMY SEMIFLUID; PORTION COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	LUNG (LU) : -HYPERPLASIA, TYPE II PNEUMOCYTE,- MINIMAL, FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, FOCAL KIDNEY (KD) : -MINERALIZATION, PELVIC,-SLIGHT, MULTI- FOCAL MAMMARY, FEMALE (MF) : -GALACTOCELE,-SEVERE, MULTI-FOCAL -MINERALIZATION,-MINIMAL, MULTI-FOCAL -B-FIBROADENOMA,- 3 NEOPLASMS PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92434 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/29/99 STUDY DAY OF DEATH: 633 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/29/99 11:26 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS #3; RIGHT INGUINAL REGION, CAUDAL TO MASS #2: SINGLE MASS, 80 X 60 X 45 MM, RED, DARK RED, TAN, LOBULATED AND FIRM; SOME SECTIONS EXUDE A DARK RED SEMISOLID; PORTION COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT
	ADRENAL, CORTEX (AC) : -LARGE; RIGHT: 10 MM IN DIAMETER (LEFT IS 5 MM IN DIAMETER)	ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT, MULTI-FOCAL -DEGENERATION, CYSTIC, CORTICAL,-SEVERE, FOCAL -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -PIGMENT,-MINIMAL, MULTI-FOCAL -THROMBUS,-SLIGHT, MULTI-FOCAL
	PITUITARY (PI) : -MASS(ES); 10 X 7 X 6 MM, DARK RED, TAN, GRAY AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -PIGMENT,-MINIMAL, MULTI-FOCAL -M-CARCINOMA,-NEOPLASM PRESENT
	UTERUS (UT) : -CYST(S); RIGHT HORN, WITHIN WALL: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 5 X 3 X 3 MM	UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-SLIGHT, MULTI-FOCAL
		DEATH COMMENT (DC) : -PITUITARY CARCINOMA,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92434 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/29/99 STUDY DAY OF DEATH: 633 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/29/99 11:26 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-ANIMAL THIN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LIVER (LI), PANCREAS (PA), THYROID (TY)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92435 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 04/28/98 STUDY DAY OF DEATH: 23 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 241.8 GRAMS
DATE AND TIME OF NECROPSY: 04/28/98 8:47 PROSECTOR: STEVE VAN ADESTINE RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TROY ELLENBECKER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	10.0261	4.1464 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LEFT OVARY (OV0)	--------	--------	--------	NOT TAKEN
RIGHT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; UNVERIFIED AT NECROPSY	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS	

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92435 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 04/28/98 STUDY DAY OF DEATH: 23 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 241.8 GRAMS
DATE AND TIME OF NECROPSY: 04/28/98 8:47 PROSECTOR: STEVE VAN ADESTINE RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TROY ELLENBECKER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92436 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/31/00 STUDY DAY OF DEATH: 666 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 421.7 GRAMS
DATE AND TIME OF NECROPSY: 01/31/00 14:02 PROSECTOR: STEVE VAN ADESTINE RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, FOCAL -MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 66; 50 X 60MM; VERIFIED AT NECROPSY: OBSERVED	SKIN (SK) :	SKIN (SK) :
>MASS(ES); AXILLARY REGION-LEFT; WEEK 74; 40 X 50MM; VERIFIED AT NECROPSY: OBSERVED	>NOTE:>DUE TO LOCATION OF MASS, ROUTINE SECTION OF SKIN/MAMMARY GLAND COLLECTED FROM RIGHT INGUINAL REGION	>NOT REQUIRED TO BE EXAMINED FOR ANIMAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 60 X 55 X 28 MM, RED, DARK RED, TAN, BROWN, LOBULATED, CYSTIC, AND SOFT; ON SECTION, EXUDES A YELLOW CREAMY SEMIFLUID; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 19) -CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE TAN, CREAMY SEMIFLUID FILLED CYSTS, UP TO 4 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -GALACTOCELE,-SEVERE, MULTI-FOCAL -MINERALIZATION,-MINIMAL, MULTI-FOCAL -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92436 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/31/00 STUDY DAY OF DEATH: 666 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 421.7 GRAMS
DATE AND TIME OF NECROPSY: 01/31/00 14:02 PROSECTOR: STEVE VAN ADESTINE RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS #2; LEFT INGUINAL REGION: SINGLE MASS, 72 X 53 X 48 MM, RED, DARK RED, TAN, BROWN, CYSTIC, LOBULATED, VASCULAR, AND SOFT; ON SECTION, EXUDES A TAN, CREAMY SEMIFLUID; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED >NOTE:>DUE TO LOCATION OF MASS, ROUTINE SECTION OF SKIN/MAMMARY GLAND COLLECTED FROM RIGHT INGUINAL REGION	
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
	PITUITARY (PI) : -MASS(ES); 9 X 7 X 5 MM, RED, DARK RED, TAN, LOBULATED AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	OVARY (OV) : -CYST(S); BILATERAL: SINGLE CLEAR FLUID FILLED CYST ON EACH, LEFT IS 2 MM IN DIAMETER, RIGHT IS 5 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT
	CERVIX (CV) : -LARGE; UP TO 14 MM IN DIAMETER	CERVIX (CV) : -DILATATION,-SEVERE, FOCAL -INFLAMMATION, ACUTE,-MODERATE, MULTI-FOCAL -M-SARCOMA, ENDOMETRIAL STROMAL,-NEOPLASM PRESENT

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3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92436 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/31/00 STUDY DAY OF DEATH: 666 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 421.7 GRAMS
DATE AND TIME OF NECROPSY: 01/31/00 14:02 PROSECTOR: STEVE VAN ADESTINE RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	VAGINA (VA) : -SEMIFLUID MATERIAL; WITHIN LUMEN: TAN, MUCOID SEMIFLUID -THICKENED WALL; DIFFUSE	VAGINA (VA) : -INFLAMMATION, ACUTE,-MODERATE, MULTI-FOCAL -N-SARCOMA, ENDOMETRIAL STROMAL,-NEOPLASM PRESENT DEATH COMMENT (DC) : -ENDOMETRIAL STROMAL SARCOMA,-PRESENT
	LN, MANDIBULAR (MN) : -LARGE; BILATERAL: EACH IS UP TO 7 X 5 X 3 MM (CAP 18) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL UPPER INCISORS -DISCHARGE-OCULAR; BILATERAL: DARK RED, DRY, CRUSTED MATERIAL -ANIMAL THIN	LN, MANDIBULAR (MN) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL

APPENDIX 6

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92436 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/31/00 STUDY DAY OF DEATH: 666 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 421.7 GRAMS
DATE AND TIME OF NECROPSY: 01/31/00 14:02 PROSECTOR: STEVE VAN ADESTINE RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), LIVER (LI), PANCREAS (PA), THYROID (TY), LN, AXILLARY (AX)

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92437 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/19/99 STUDY DAY OF DEATH: 348 STUDY WEEK OF DEATH: 50 TERMINAL BODY WEIGHT: 262.3 GRAMS
DATE AND TIME OF NECROPSY: 03/19/99 7:52 PROSECTOR: GREGORY CODDINGTON RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 34; 30 X 20MM; VERIFIED AT NECROPSY: OBSERVED	MAMMARY, FEMALE (MF) :	MAMMARY, FEMALE (MF) :
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED	-MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 30 X 22 X 14 MM, RED, DARK RED, TAN, GRAY, LOBULATED AND FIRM; SAME ON CUT SURFACE (CAP 19); REGIONAL LN (INGUINAL) LEFT IS NORMAL, RIGHT NOT IDENTIFIED (CAP 20)	-GALACTOCELE,-MODERATELY SEVERE, MULTI-FOCAL -MINERALIZATION,-SLIGHT, FOCAL -M-CARCINOMA,-NEOPLASM PRESENT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT OBSERVED	-CYST(S); BILATERAL AXILLARY REGIONS: MULTIPLE TAN AND CREAMY SEMIFLUID FILLED CYSTS, UP TO 8 X 7 X 7 MM (CAP 21)	
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT -HEMORRHAGE,-MODERATE, FOCAL
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 12 X 10 X 8 MM, RED, DARK RED, GRAY AND SOFT	-HEMORRHAGE,-SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, NONGL (SU) :	STOMACH, NONGL (SU) :
	-THICKENED WALL; DIFFUSE	-EDEMA,-MINIMAL, FOCAL
	VAGINA (VA) :	VAGINA (VA) :
	-SEMIFLUID MATERIAL; WITHIN LUMEN: MODERATE AMOUNT OF A LIGHT GREEN AND MUCOID SEMIFLUID MATERIAL	>UNREMARKABLE

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92437 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/19/99 STUDY DAY OF DEATH: 348 STUDY WEEK OF DEATH: 50 TERMINAL BODY WEIGHT: 262.3 GRAMS
DATE AND TIME OF NECROPSY: 03/19/99 7:52 PROSECTOR: GREGORY CODDINGTON RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT
	LN, AXILLARY (AX) : -LARGE; LEFT: 15 X 12 X 10 MM (FOR COMPARISON, RIGHT IS 6 X 1 X 1 MM) (CAP 18)	LN, AXILLARY (AX) : >UNREMARKABLE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY MATERIAL -ANIMAL THIN	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), LN, MANDIBULAR (MN), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), LN, INGUINAL (IN)

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92438 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 348.6 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 10:15 PROSECTOR: GREGORY CODDINGTON RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DONIA MEYER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0325	.0093 %	.0174	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0300	.0086 %	.0161	WEIGHT TAKEN
BRAIN (BR)	1.8684	.5360 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.1359	.3258 %	.6080	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.1676	.3349 %	.6249	WEIGHT TAKEN
LIVER (LI)	9.3979	2.6959 %	5.0299	WEIGHT TAKEN
LUNG (LU)	1.3652	.3916 %	.7307	WEIGHT TAKEN
LEFT OVARY (OV0)	.0463	.0133 %	.0248	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0548	.0157 %	.0293	WEIGHT TAKEN
SPLEEN (SP)	.6518	.1870 %	.3489	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0119	.0034 %	.0064	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0118	.0034 %	.0063	WEIGHT TAKEN
UTERUS (UT)	1.0419	.2989 %	.5576	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>MASS(ES); VENTRAL-ABDOMINAL; WEEK 44;
10 X 10MM; VERIFIED AT NECROPSY:
OBSERVED

NECROPSY

HISTOPATHOLOGY

KIDNEY (KD) :
-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
-MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
LIVER (LI) :
-HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL
PANCREAS (PA) :
-ATROPHY, ACINAR,-MINIMAL, FOCAL
THYROID (TY) :
-CYST, ULTIMOBRANCHIAL,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92438 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 348.6 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 10:15 PROSECTOR: GREGORY CODDINGTON RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DONIA MEYER

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -CYST(S); BILATERAL INGUINAL REGIONS: MULTIPLE TAN CREAMY SEMIFLUID FILLED CYSTS, UP TO 12 X 8 X 7 MM (CAP 18); POSSIBLY CONSISTENT WITH MASS NOTED IN CLINICAL OBSERVATIONS	MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATELY SEVERE, MULTI-FOCAL
		DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BONE MARROW SMEAR TAKEN	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU)

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92439 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 438.6 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 8:04 PROSECTOR: TROY ELLENBECKER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -CYST,-SLIGHT, FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL -MINERALIZATION, PELVIC,-SLIGHT, FOCAL
	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 5 MM IN DIAMETER, SUNKEN WITH A STELLATE PATTERN; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-SLIGHT, FOCAL -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL
	OVARY (OV) : -CYST(S); LEFT: SINGLE CLEAR FLUID FILLED CYST, 12 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT
		DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 438.6 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 8:04 PROSECTOR: TROY ELLENBECKER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), THYROID (TY), MAMMARY, FEMALE (MF), URINARY BLADDER (UB)

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92440 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/17/99 STUDY DAY OF DEATH: 560 STUDY WEEK OF DEATH: 80 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/17/99 9:41 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); HEAD-MAXILLARY-RIGHT; WEEK 66; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED	LUNG (LU) : -UNCOLLAPSED; ALL LOBES	LUNG (LU) : >UNREMARKABLE KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL -PYELONEPHRITIS,-SLIGHT, FOCAL
>SKIN & PELAGE; SORE/SCAB; HEAD-MAXILLARY-RIGHT; VERIFIED AT NECROPSY: OBSERVED		
>APPEARANCE; LIMITED USE; LIMB-HIND-LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE	SKIN (SK) : -MASS(ES); ATTACHED TO RIGHT VENTRAL CERVICAL REGION: SINGLE MASS, 11 X 10 X 5 MM, RED, DARK RED, GREY AND FIRM; SAME ON CUT SURFACE (CAP 18); REGIONAL LN (MANDIBULAR) NORMAL (CAP 19); OVERLYING SKIN HAS A SINGLE DRY, DARK RED CRUSTED AREA, 4 MM IN DIAMETER; COLLECTED WITH MASS BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) ADRENAL, CORTEX (AC) : -LARGE; LEFT: 5 MM IN DIAMETER (RIGHT IS 3 MM IN DIAMETER)	SKIN (SK) : -B-BASAL CELL TUMOR,-NEOPLASM PRESENT BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MINIMAL, MULTI-FOCAL -DEGENERATION, CYSTIC, CORTICAL,-MODERATELY SEVERE, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL -THROMBUS,-MODERATELY SEVERE, FOCAL

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Individual Anatomic Pathology Data

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 11 X 10 X 9 MM, DARK RED, LOBULATED AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT
	FOOT/FOOTPAD (FP) : -LARGE; LEFT HINDFOOT: 44 X 18 X 18 XX (RIGHT IS 44 X 10 X 9 MM); LEFT APPEARS SWOLLEN; BOTH COLLECTED	FOOT/FOOTPAD (FP) : -EXOSTOSES,-SLIGHT, MULTI-FOCAL -FIBROSIS,-SEVERE, MULTI-FOCAL -INFLAMMATION, CHRONIC ACTIVE,-MODERATE, MULTI-FOCAL
	GENERAL COMMENT (GC) : -DISCHARGE-OCULAR; BILATERAL: DRY, RED MATERIAL	

APPENDIX 6

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92440 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/17/99 STUDY DAY OF DEATH: 560 STUDY WEEK OF DEATH: 80 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/17/99 9:41 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LIVER (LI), PANCREAS (PA), THYROID (TY), MAMMARY, FEMALE (MF), ADRENAL, MEDULLA (MA), LN, MANDIBULAR (MN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92441 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 450.3 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 9:46 PROSECTOR: JAMES T. CALLEN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0457	.0101 %	.0218	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0428	.0095 %	.0204	WEIGHT TAKEN
BRAIN (BR)	2.0955	.4654 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.6868	.3746 %	.8050	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.6612	.3689 %	.7927	WEIGHT TAKEN
LIVER (LI)	12.7468	2.8307 %	6.0829	WEIGHT TAKEN
LUNG (LU)	1.6925	.3759 %	.8077	WEIGHT TAKEN
LEFT OVARY (OV0)	.0693	.0154 %	.0331	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0623	.0138 %	.0297	WEIGHT TAKEN
SPLEEN (SP)	.8104	.1800 %	.3867	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0121	.0027 %	.0058	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0106	.0024 %	.0051	WEIGHT TAKEN
UTERUS (UT)	1.1020	.2447 %	.5259	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; DORSAL; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-SLIGHT, FOCAL
>MASS(ES); INGUINAL REGION-LEFT; WEEK 48; 20 X 15MM; VERIFIED AT NECROPSY: OBSERVED	SKIN (SK) : -CRUSTED AREA(S); RIGHT FLANK: SINGLE TAN, DRY AREA, 8 MM IN DIAMETER (CAP 19) MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT INGUINAL REGION: SINGLE MASS, 13 MM IN DIAMETER, TAN, BROWN, RED AND SOFT; ON SECTION EXUDES A DARK RED FLUID (CAP 18); REGIONAL LN (INGUINAL) NOT IDENTIFIED	SKIN (SK) : -EROSION,-MODERATE, FOCAL -INFLAMMATION, ACUTE,-MINIMAL, FOCAL MAMMARY, FEMALE (MF) : -FIBROSIS,-MODERATELY SEVERE, FOCAL -GALACTOCELE,-SEVERE, MULTI-FOCAL -HEMORRHAGE,-MODERATE, FOCAL

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92441 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 450.3 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 9:46 PROSECTOR: JAMES T. CALLEN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: JARED FISHEL

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) PITUITARY (PI) : -LARGE; 6 X 5 X 3 MM -RED FOCUS(I)/AREA(S); LEFT AND RIGHT ASPECT: SINGLE DARK RED AREA ON EACH, EACH IS 3 MM IN DIAMETER GENERAL COMMENT (GC) : -BONE MARROW SMEAR TAKEN	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT

APPENDIX 6

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92441 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 450.3 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 9:46 PROSECTOR: JAMES T. CALLEN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), LIVER (LI), PANCREAS (PA), THYROID (TY)

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92442 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/25/99 STUDY DAY OF DEATH: 476 STUDY WEEK OF DEATH: 68 TERMINAL BODY WEIGHT: 386.7 GRAMS
DATE AND TIME OF NECROPSY: 07/25/99 10:27 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED
>DISCHARGE; NASAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED
>BEHAVIOR; HYPOACTIVE; MILD; VERIFIED AT NECROPSY: NOT APPLICABLE
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

LIVER (LI) :
-RED FOCUS(I)/AREA(S); DIAPHRAGMATIC SURFACE OF RIGHT MEDIAN LOBE: SINGLE RED AREA, 3 X 2 MM; COLLECTED ON ROUTINE SECTION

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

PITUITARY (PI) :
-MASS(ES); 11 X 9 X 9 MM, RED, DARK RED, GRAY, TAN AND SOFT
STOMACH, NONGL (SU) :
-EROSION/ULCERATION; MUCOSA: MULTIPLE TAN ERODED AREAS, UP TO 3 X 2 MM

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN

HISTOPATHOLOGY

KIDNEY (KD) :
-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
-MINERALIZATION, PELVIC,-MINIMAL, FOCAL
LIVER (LI) :
-VACUOLATION, HEPATOCELLULAR,-MODERATELY SEVERE, MULTI-FOCAL

THYROID (TY) :
-B-ADENOMA, C-CELL,-NEOPLASM PRESENT
BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
-DILATATION, VENTRICULAR,-PRESENT
PITUITARY (PI) :
-B-ADENOMA,-NEOPLASM PRESENT

STOMACH, NONGL (SU) :
-EROSION,-SLIGHT, FOCAL
-INFLAMMATION, ACUTE,-MINIMAL, FOCAL
DEATH COMMENT (DC) :
-PITUITARY ADENOMA,-PRESENT

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92442 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/25/99 STUDY DAY OF DEATH: 476 STUDY WEEK OF DEATH: 68 TERMINAL BODY WEIGHT: 386.7 GRAMS
DATE AND TIME OF NECROPSY: 07/25/99 10:27 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; BOTH REGIONS: DRY, YELLOW MATERIAL; POSSIBLY CONSISTENT WITH STAINS (HAIRCOAT-YELLOW) AS NOTED IN CLINICAL OBSERVATIONS -DISCHARGE-OCULAR; BILATERAL: DRY, RED MATERIAL; POSSIBLY CONSISTENT WITH STAINS (HEAD-RED) AS NOTED IN CLINICAL OBSERVATIONS -DISCHARGE-NASAL; DRY, RED MATERIAL	

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92442 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/25/99 STUDY DAY OF DEATH: 476 STUDY WEEK OF DEATH: 68 TERMINAL BODY WEIGHT: 386.7 GRAMS
DATE AND TIME OF NECROPSY: 07/25/99 10:27 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), MAMMARY, FEMALE (MF)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92443 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 593.1 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 10:15 PROSECTOR: DENNIS HOFFMAN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 7 X 9 MM; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
		PANCREAS (PA) : -ATROPHY, ACINAR,-MINIMAL, FOCAL
		MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
	ADRENAL, CORTEX (AC) : -LARGE; LEFT: 6 X 6 X 7 MM (RIGHT IS 3 X 4 X 5 MM)	ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATELY SEVERE, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL -PIGMENT,-MINIMAL, FOCAL -THROMBUS,-MINIMAL, FOCAL
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 7 X 7 X 10 MM, FIRM, RED, DARK RED AND TAN	PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92443 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 593.1 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 10:15 PROSECTOR: DENNIS HOFFMAN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), THYROID (TY), URINARY BLADDER (UB)

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Covance 6329-228
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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92444 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 424.2 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 11:33 PROSECTOR: TONY HANFELD RECORDER: PAMELA L. SCHULZ-STUEBER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); INGUINAL REGION-LEFT; WEEK 80; 20 X 20MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -DILATATION, PELVIC,-PRESENT -MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL
>MASS(ES); INGUINAL REGION-RIGHT; WEEK 92; 35 X 35MM; VERIFIED AT NECROPSY: OBSERVED		
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 101; 55 X 50MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
>SKIN & PELAGE; SORE/SCAB; PERINEAL AREA; VERIFIED AT NECROPSY: NOT OBSERVED	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT INGUINAL REGION: SINGLE MASS, 55 X 40 X 21 MM, RED, TAN, AND LOBULATED; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED -MASS #2; LEFT INGUINAL REGION: SINGLE MASS, 30 X 20 X 15 MM, DARK RED, TAN, AND LOBULATED; SOME SECTIONS EXUDE A DARK BROWN SEMIFLUID; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT
		MUSCLE, SKELETAL (SM) : -I-LEIOMYOSARCOMA,-NEOPLASM PRESENT

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Covance 6329-228
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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92444 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 424.2 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 11:33 PROSECTOR: TONY HANFELD RECORDER: PAMELA L. SCHULZ-STUEBER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MUSCLE, SKELETAL (SM) : -MASS(ES); SURROUNDS RECTUM AND BASE OF TAIL: SINGLE MASS, 50 X 45 X 25 MM, TAN, DARK RED, LOBULATED AND FIRM; SAME ON CUT SURFACE; POSSIBLY CONSISTENT WITH MASS (VENTRAL ABDOMINAL RIGHT) AS NOTED IN CLINICAL OBSERVATIONS; PORTION COLLECTED WITH RECTUM; REMAINING PORTION COLLECTED WITH TAIL; REGIONAL LN (LUMBAR) (CAP 22)	
		ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL
	PITUITARY (PI) : -LARGE; 6 X 4 X 3 MM	PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		RECTUM (RE) : -M-LEIOMYOSARCOMA,-NEOPLASM PRESENT
	OVARY (OV) : -CYST(S); LEFT: SINGLE CLEAR FLUID FILLED CYST, 4 MM IN DIAMETER	OVARY (OV) : >UNREMARKABLE
		DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

APPENDIX 6

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92444 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 424.2 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 11:33 PROSECTOR: TONY HANFELD RECORDER: PAMELA L. SCHULZ-STUEBER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), THYROID (TY), URINARY BLADDER (UB), LN, LUMBAR/ILIAC (LM)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92445 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/31/00 STUDY DAY OF DEATH: 666 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 795.2 GRAMS
DATE AND TIME OF NECROPSY: 01/31/00 14:50 PROSECTOR: STEVE VAN ADESTINE RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; OBESE; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		
>SKIN & PELAGE; BROWN HAIR COAT; PERINEAL AREA; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -MOTTLED; ALL LOBES: RED AND TAN	LIVER (LI) : -VACUOLATION, HEPATOCELLULAR,-MODERATELY SEVERE, MULTI-FOCAL
>DISCHARGE; NASAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED		MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
	PITUITARY (PI) : -MASS(ES); 12 X 8 X 7 MM, DARK RED, TAN, GRAY, AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	VAGINA (VA) : -SEMIFLUID MATERIAL; WITHIN LUMEN: LIGHT GREEN MUCOID SEMIFLUID	VAGINA (VA) : >UNREMARKABLE
		DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -STAINS-PERINEUM/PERIANAL; YELLOW MOIST MATERIAL	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92445 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/31/00 STUDY DAY OF DEATH: 666 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 795.2 GRAMS
DATE AND TIME OF NECROPSY: 01/31/00 14:50 PROSECTOR: STEVE VAN ADESTINE RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -ANIMAL OBESE -DISCHARGE-NASAL; DARK RED DRY CRUSTY MATERIAL	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), THYROID (TY)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92446 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/05/99 STUDY DAY OF DEATH: 579 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: 328.5 GRAMS
DATE AND TIME OF NECROPSY: 11/05/99 13:38 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED
>DISCHARGE; NASAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; BROWN HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; BROWN HAIR COAT; PERINEAL AREA; VERIFIED AT NECROPSY: OBSERVED
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)
PITUITARY (PI) :
-MASS(ES); 10 X 10 X 8 MM, RED, GREY, TAN AND SOFT
STOMACH, NONGL (SU) :
-EROSION/ULCERATION; MUCOSA: MULTIPLE TAN AND SLIGHTLY ERODED AREAS, UP TO 2 X 1 MM

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN

HISTOPATHOLOGY

KIDNEY (KD) :
-MINERALIZATION, PELVIC,-MINIMAL, FOCAL
-PYELONEPHRITIS,-SLIGHT, FOCAL
LIVER (LI) :
-VACUOLATION, HEPATOCELLULAR,-MODERATELY SEVERE, MULTI-FOCAL
MAMMARY, FEMALE (MF) :
-GALACTOCELE,-SLIGHT, MULTI-FOCAL
BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
PITUITARY (PI) :
-B-ADENOMA,-NEOPLASM PRESENT

STOMACH, NONGL (SU) :
-ACANTHOSIS,-MODERATE, DIFFUSE
-EDEMA,-MODERATE, FOCAL
-EROSION,-MINIMAL, FOCAL
-HYPERKERATOSIS, NONGLANDULAR MUCOSA,-MODERATE, DIFFUSE
-INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL, MULTI-FOCAL
DEATH COMMENT (DC) :
-PITUITARY ADENOMA,-PRESENT

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92446 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/05/99 STUDY DAY OF DEATH: 579 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: 328.5 GRAMS
DATE AND TIME OF NECROPSY: 11/05/99 13:38 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-STAINS-PERINEUM/PERIANAL; BOTH REGIONS, EXTENDING TO VENTRAL ABDOMINAL REGION: MOIST, BROWN MATERIAL
-DISCHARGE-OCULAR; BILATERAL: DRY, RED MATERIAL
-DISCHARGE-NASAL; DRY, RED MATERIAL
-ANIMAL THIN

HISTOPATHOLOGY

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), THYROID (TY)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92447 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/03/00 STUDY DAY OF DEATH: 638 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: 294.4 GRAMS
DATE AND TIME OF NECROPSY: 01/03/00 8:27 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; COLD TO TOUCH; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

KIDNEY (KD) :
-GRANULAR MATERIAL; BILATERAL, WITHIN PELVIS: MULTIPLE TAN AND FIRM GRANULES, UP TO 1 MM IN DIAMETER
-DIFFUSELY LIGHT; BILATERAL: TAN
LIVER (LI) :
-DIFFUSELY LIGHT; ALL LOBES: TAN

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

PITUITARY (PI) :
-MASS(ES); 15 X 10 X 8 MM, RED, TAN, AND SOFT
STOMACH, GL (ST) :
-DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE BROWN FOCI, UP TO 1 MM IN DIAMETER

HISTOPATHOLOGY

LUNG (LU) :
-MINERALIZATION, VASCULAR,-MINIMAL, FOCAL
KIDNEY (KD) :
-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
-MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL
LIVER (LI) :
>UNREMARKABLE
MAMMARY, FEMALE (MF) :
-GALACTOCELE,-MODERATE, MULTI-FOCAL
BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
-DILATATION, VENTRICULAR,-PRESENT
PITUITARY (PI) :
-B-ADENOMA,-NEOPLASM PRESENT

STOMACH, GL (ST) :
>UNREMARKABLE

DEATH COMMENT (DC) :
-PITUITARY ADENOMA,-PRESENT

APPENDIX 6

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92447 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/03/00 STUDY DAY OF DEATH: 638 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: 294.4 GRAMS
DATE AND TIME OF NECROPSY: 01/03/00 8:27 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-ANIMAL THIN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), THYROID (TY)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92448 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/02/99 STUDY DAY OF DEATH: 484 STUDY WEEK OF DEATH: 70 TERMINAL BODY WEIGHT: 362.2 GRAMS
DATE AND TIME OF NECROPSY: 08/02/99 14:43 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE		LUNG (LU) :
		-MINERALIZATION, VASCULAR,-MINIMAL, FOCAL
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) :
		-MINERALIZATION, PELVIC,-MINIMAL, FOCAL
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
		-DILATATION, VENTRICULAR,-PRESENT
	THYMUS (TH) :	THYMUS (TH) :
	-LARGE; 6 X 12 X 13 MM	-M-FIBROSARCOMA,-NEOPLASM PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); SINGLE MASS, 6 X 7 X 12 MM, FIRM, RED, DARK RED, TAN AND BROWN	-CYST,-PRESENT
		-HEMORRHAGE,-SLIGHT, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
		DEATH COMMENT (DC) :
		-PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) :	
	-BLOOD FILM TAKEN	
	-MALOCCLUSION; BILATERAL UPPER INCISORS	

APPENDIX 6

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92448 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/02/99 STUDY DAY OF DEATH: 484 STUDY WEEK OF DEATH: 70 TERMINAL BODY WEIGHT: 362.2 GRAMS
DATE AND TIME OF NECROPSY: 08/02/99 14:43 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LIVER (LI), PANCREAS (PA), THYROID (TY), MAMMARY, FEMALE (MF)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92449 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 356.6 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 8:46 PROSECTOR: JAMES T. CALLEN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	.0453	.0127 %	.0223	WEIGHT TAKEN
RIGHT ADRENAL (AD1)	.0417	.0117 %	.0205	WEIGHT TAKEN
BRAIN (BR)	2.0299	.5692 %	1.0000	WEIGHT TAKEN
LEFT KIDNEY (KD0)	1.1844	.3321 %	.5835	WEIGHT TAKEN
RIGHT KIDNEY (KD1)	1.1588	.3250 %	.5709	WEIGHT TAKEN
LIVER (LI)	10.6589	2.9890 %	5.2509	WEIGHT TAKEN
LUNG (LU)	1.4643	.4106 %	.7214	WEIGHT TAKEN
LEFT OVARY (OV0)	.0787	.0221 %	.0388	WEIGHT TAKEN
RIGHT OVARY (OV1)	.0768	.0215 %	.0378	WEIGHT TAKEN
SPLEEN (SP)	.7269	.2038 %	.3581	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0205	.0057 %	.0101	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0152	.0043 %	.0075	WEIGHT TAKEN
UTERUS (UT)	.8613	.2415 %	.4243	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

MAMMARY, FEMALE (MF) :
-CYST(S); ALL REGIONS DIFFUSE:
MULTIPLE TAN CREAMY SEMIFLUID FILLED
CYSTS, UP TO 3 MM IN DIAMETER;
COLLECTED ON ROUTINE SECTION
PITUITARY (PI) :
-LARGE; 6 X 5 X 3 MM; APPEARS SWOLLEN
-DIFFUSELY RED; DARK RED

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

MAMMARY, FEMALE (MF) :
-GALACTOCELE,-SLIGHT, MULTI-FOCAL

PITUITARY (PI) :
-B-ADENOMA,-NEOPLASM PRESENT

DEATH COMMENT (DC) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92449 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/07/99 STUDY DAY OF DEATH: 367 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 356.6 GRAMS
DATE AND TIME OF NECROPSY: 04/07/99 8:46 PROSECTOR: JAMES T. CALLEN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92450 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/15/99 STUDY DAY OF DEATH: 619 STUDY WEEK OF DEATH: 89 TERMINAL BODY WEIGHT: 272.2 GRAMS
DATE AND TIME OF NECROPSY: 12/15/99 14:08 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-CERVICAL; WEEK 84; 30 X 30MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL
>MASS(ES); VENTRAL-ABDOMINAL; WEEK 75; 20 X 20MM; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -CYST(S); LEFT LATERAL LOBE: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 1 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION	LIVER (LI) : >UNREMARKABLE
>SKIN & PELAGE; SORE/SCAB; VENTRAL-CERVICAL; VERIFIED AT NECROPSY: NOT OBSERVED		PANCREAS (PA) : -ATROPHY, ACINAR,-SLIGHT, MULTI-FOCAL
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	MAMMARY, FEMALE (MF) : -MASS(ES); MID CERVICAL REGION: SINGLE MASS, 40 X 30 X 15 MM, YELLOW, TAN, LOBULATED, AND SOFT; CUT SURFACE CONTAINS A CREAMY YELLOW SEMISOLID; COLLECTED; REGIONAL LN (MANDIBULAR) NORMAL; COLLECTED -MASS #2; RIGHT INGUINAL REGION: SINGLE MASS, 40 X 25 X 15 MM, TAN, DARK RED, AND SOFT; CUT SURFACE CONTAINS A TAN CREAMY SEMISOLID; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT -M-CARCINOMA,-NEOPLASM PRESENT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		
>APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE		
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE		

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104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92450 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/15/99 STUDY DAY OF DEATH: 619 STUDY WEEK OF DEATH: 89 TERMINAL BODY WEIGHT: 272.2 GRAMS
DATE AND TIME OF NECROPSY: 12/15/99 14:08 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS #3; LEFT INGUINAL REGION: SINGLE MASS, 30 X 25 X 25 MM, RED, TAN, AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
	PITUITARY (PI) : -MASS(ES); 15 X 10 X 8 MM, DARK RED, RED, GRAY, AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-SEVERE, MULTI-FOCAL -PIGMENT,-MINIMAL, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	UTERUS (UT) : -CYST(S); BILATERAL, WITHIN WALLS: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 8 MM IN DIAMETER -THICKENED WALL; BILATERAL, DIFFUSE	UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-MODERATE, FOCAL -SCLEROSIS,-MODERATELY SEVERE, MULTI-FOCAL
	OVARY (OV) : -CYST(S); LEFT: SINGLE CLEAR FLUID FILLED CYST, 3 MM IN DIAMETER	OVARY (OV) : >UNREMARKABLE
		DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN	

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92450 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/15/99 STUDY DAY OF DEATH: 619 STUDY WEEK OF DEATH: 89 TERMINAL BODY WEIGHT: 272.2 GRAMS
DATE AND TIME OF NECROPSY: 12/15/99 14:08 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), THYROID (TY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), LN, MANDIBULAR (MN)

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92451 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 517.1 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 10:06 PROSECTOR: WENDY CHERRY RECORDER: PAMELA L. SCHULZ-STUEBER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; SWOLLEN; PAWS-HIND; VERIFIED AT NECROPSY: OBSERVED		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL, MULTI-FOCAL KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
	LIVER (LI) : -DARK FOCUS(I)/AREA(S); RIGHT MEDIAN LOBE: TWO BROWN AREAS, EACH IS 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MODERATELY SEVERE, FOCAL
		MAMMARY, FEMALE (MF) : -GALACTOCELE,-MINIMAL, MULTI-FOCAL
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT
	SPLEEN (SP) : -LARGE; 50 X 16 X 10 MM	SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MINIMAL, MULTI-FOCAL
	ADRENAL, CORTEX (AC) : -LARGE; RIGHT: 10 X 7 X 7 MM (LEFT IS 6 X 4 X 4 MM)	ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL -PIGMENT,-MINIMAL, MULTI-FOCAL

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92451 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 517.1 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 10:06 PROSECTOR: WENDY CHERRY RECORDER: PAMELA L. SCHULZ-STUEBER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, MEDULLA (MA) : -NECROSIS, MEDULLARY,-SLIGHT, MULTI-FOCAL -B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 7 X 6 X 4 MM, DARK RED, TAN AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -PIGMENT,-MINIMAL, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	UTERUS (UT) : -CYST(S); BILATERAL, WITHIN WALLS: SINGLE CLEAR FLUID FILLED CYST ON EACH, LEFT IS 10 X 7 X 7 MM, RIGHT IS 15 X 10 X 10 MM	UTERUS (UT) : -DILATATION,-SEVERE, DIFFUSE
		DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT
	JOINT, OTHER (JT) : -LARGE; BILATERAL, TARSAL JOINT: EACH IS UP TO 18 MM IN DIAMETER; COLLECTED	JOINT, OTHER (JT) : -EXOSTOSES,-MODERATELY SEVERE, MULTI-FOCAL -FIBROSIS,-MODERATELY SEVERE, MULTI-FOCAL -INFLAMMATION, CHRONIC, SYNOVIAL,-SLIGHT, MULTI-FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92451 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 517.1 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 10:06 PROSECTOR: WENDY CHERRY RECORDER: PAMELA L. SCHULZ-STUEBER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), THYROID (TY), URINARY BLADDER (UB)

APPENDIX 6

Covance 6329-228
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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92452 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 477.5 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 8:28 PROSECTOR: WENDY CHERRY RECORDER: PAMELA L. SCHULZ-STUEBER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-RIGHT; VERIFIED AT NECROPSY: OBSERVED		LUNG (LU) : -MINERALIZATION,-MINIMAL, FOCAL KIDNEY (KD) : -MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL
	LIVER (LI) : -DARK FOCUS(I)/AREA(S); LEFT MEDIAN LOBE: SINGLE DARK BROWN AREA, 3 MM IN DIAMETER (CAP 22)	LIVER (LI) : -TELANGIECTASIS,-MINIMAL, FOCAL
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT
	PITUITARY (PI) : -MASS(ES); 7 X 6 X 6 MM, DARK RED, TAN, AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -THICKENED WALL; DIFFUSE	STOMACH, GL (ST) : -EDEMA,-MINIMAL, MULTI-FOCAL
	OVARY (OV) : -CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 2 MM IN DIAMETER	OVARY (OV) : >UNREMARKABLE
	CERVIX (CV) : -LARGE; 10 X 10 X 8 MM	CERVIX (CV) : -HYPERTROPHY, MUSCULAR,-PRESENT
		DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT
		FOOT/FOOTPAD (FP) : -EROSION,-MODERATE, FOCAL

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92452 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 477.5 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 8:28 PROSECTOR: WENDY CHERRY RECORDER: PAMELA L. SCHULZ-STUEBER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	FOOT/FOOTPAD (FP) : -ABRASION(S)/ULCERATION(S); RIGHT HINDFOOT: SINGLE DARK RED ABRADED AREA, 10 X 6 X 5 MM; COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	FOOT/FOOTPAD (FP) : -INFLAMMATION, CHRONIC ACTIVE,-MODERATE, MULTI-FOCAL -PIGMENT,-MINIMAL, MULTI-FOCAL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), THYROID (TY), MAMMARY, FEMALE (MF), URINARY BLADDER (UB)

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92453 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/28/00 STUDY DAY OF DEATH: 694 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: 396.5 GRAMS
DATE AND TIME OF NECROPSY: 02/28/00 13:59 PROSECTOR: DENNIS HOFFMAN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-CERVICAL; WEEK 80; 30 X 30MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: NOT OBSERVED	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT CERVICAL REGION, EXTENDING TO RIGHT AXILLARY REGION: SINGLE MASS, 38 X 32 X 20 MM, FIRM, LOBULATED, RED, AND TAN; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 18)	MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATE, MULTI-FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT
>SKIN & PELAGE; RED HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: NOT OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT
	PITUITARY (PI) : -MASS(ES); 14 X 9 X 6 MM, FIRM, LOBULATED, RED, DARK RED, AND TAN	PITUITARY (PI) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

APPENDIX 6

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92453 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/28/00 STUDY DAY OF DEATH: 694 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: 396.5 GRAMS
DATE AND TIME OF NECROPSY: 02/28/00 13:59 PROSECTOR: DENNIS HOFFMAN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), LIVER (LI), PANCREAS (PA), THYROID (TY), LN, AXILLARY (AX)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92454 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/23/99 STUDY DAY OF DEATH: 566 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 310.8 GRAMS
DATE AND TIME OF NECROPSY: 10/23/99 11:03 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-CERVICAL; WEEK 54; 40 X 40MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 61; 25 X 25MM; VERIFIED AT NECROPSY: OBSERVED	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT INGUINAL REGION: SINGLE MASS, 25 X 20 X 10 MM, TAN AND FIRM; SAME ON CUT SURFACE; OVERLYING SKIN HAS A SINGLE DARK RED, DRY, CRUSTED AREA, 3 X 2 MM; MASS AND OVERLYING SKIN COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED -MASS #2; RIGHT VENTRAL CERVICAL REGION: SINGLE MASS, 45 X 30 X 25 MM, RED, TAN, FIRM, AND LOBULATED; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (MANDIBULAR) NORMAL (CAP 18)	MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATELY SEVERE, MULTI-FOCAL -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT
>SKIN & PELAGE; SORE/SCAB; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED		
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE		
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE		
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT
	PITUITARY (PI) : -MASS(ES); 15 X 10 X 10 MM, RED, TAN, GRAY, AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, FOCAL -B-ADENOMA,-NEOPLASM PRESENT
		DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92454 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/23/99 STUDY DAY OF DEATH: 566 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 310.8 GRAMS
DATE AND TIME OF NECROPSY: 10/23/99 11:03 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS | NECROPSY | HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-ANIMAL THIN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), LIVER (LI), PANCREAS (PA), THYROID (TY), LN, MANDIBULAR (MN)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92455 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/23/00 STUDY DAY OF DEATH: 718 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 430.3 GRAMS
DATE AND TIME OF NECROPSY: 03/23/00 10:53 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL
>MASS(ES); AXILLARY REGION-LEFT; WEEK 101; 45 X 40MM; VERIFIED AT NECROPSY: NOT OBSERVED		LIVER (LI) : -HYPERPLASIA, BILE DUCT,-MINIMAL, MULTI-FOCAL -INFLAMMATION, CHRONIC,-MINIMAL, MULTI-FOCAL
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		
>SKIN & PELAGE; RED HAIR COAT; SHOULDER-LEFT; VERIFIED AT NECROPSY: NOT OBSERVED	THYROID (TY) : -DIFFUSELY RED; LEFT: DARK RED	THYROID (TY) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA, C-CELL,- 2 NEOPLASMS PRESENT
>APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: OBSERVED		
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	MAMMARY, FEMALE (MF) : -CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE TAN CREAMY SEMIFLUID FILLED CYSTS, UP TO 40 X 25 X 19 MM (CAP 21); POSSIBLY CONSISTENT WITH (MASS AXILLARY) NOTED IN CLINICAL OBSERVATIONS	MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATELY SEVERE, MULTI-FOCAL -MINERALIZATION,-MINIMAL, FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
	PITUITARY (PI) : -MASS(ES); 12 X 6 X 5 MM, RED, DARK RED, TAN, SOFT AND LOBULATED	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92455 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/23/00 STUDY DAY OF DEATH: 718 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 430.3 GRAMS
DATE AND TIME OF NECROPSY: 03/23/00 10:53 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	OVARY (OV) : -CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 3 MM IN DIAMETER GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; LEFT: DARK RED, DRY MATERIAL	OVARY (OV) : -CYST,-PRESENT DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92456 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 523.3 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 11:34 PROSECTOR: JODI THIEREN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 88; 45 X 40MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL, MULTI-FOCAL
	LIVER (LI) : -RAISED FOCUS(I)/AREA(S); ALONG MARGIN OF LEFT LATERAL LOBE: SINGLE TAN RAISED AREA, 4 X 3 X 1 MM (CAP 23)	LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MODERATE, FOCAL -FOCUS, ALTERED HEPATOCELLULAR, EOSINOPHILIC,-MINIMAL, FOCAL -THROMBUS,-MODERATELY SEVERE, FOCAL
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 40 X 40 X 22 MM, RED, TAN, YELLOW, FIRM, AND LOBULATED; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 22)	MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,-NEOPLASM PRESENT
		DEATH COMMENT (DC) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92456 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/04/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 523.3 GRAMS
DATE AND TIME OF NECROPSY: 04/04/00 11:34 PROSECTOR: JODI THIEREN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PANCREAS (PA), THYROID (TY), URINARY BLADDER (UB), LN, AXILLARY (AX)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92457 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/15/99 STUDY DAY OF DEATH: 589 STUDY WEEK OF DEATH: 85 TERMINAL BODY WEIGHT: 333.2 GRAMS
DATE AND TIME OF NECROPSY: 11/15/99 13:28 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; BROWN HAIR COAT; PERINEAL AREA; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL
>APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 12 X 9 X 8 MM, TAN AND FIRM; SAME ON CUT SURFACE (CAP 18); REGIONAL LN (AXILLARY) NORMAL (CAP 19)	MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATE, MULTI-FOCAL -MINERALIZATION,-MINIMAL, MULTI-FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED	-CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE WHITE FLUID FILLED CYSTS, UP TO 3 X 2 X 2 MM; COLLECTED ON ROUTINE SECTION	
>MASS(ES); AXILLARY REGION-LEFT; WEEK 84; VERIFIED AT NECROPSY: OBSERVED	-THICKENED; ALL REGIONS, DIFFUSE: COLLECTED ON ROUTINE SECTION	
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT
	ADRENAL, CORTEX (AC) : -LARGE; LEFT: 6 MM IN DIAMETER (RIGHT IS 4 MM IN DIAMETER)	ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC, CORTICAL,-MODERATELY SEVERE, MULTI-FOCAL -HEMORRHAGE,-SLIGHT, MULTI-FOCAL
	PITUITARY (PI) : -MASS(ES); 12 X 8 X 7 MM, DARK RED, RED, GRAY, TAN AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATELY SEVERE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92457 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/15/99 STUDY DAY OF DEATH: 589 STUDY WEEK OF DEATH: 85 TERMINAL BODY WEIGHT: 333.2 GRAMS
DATE AND TIME OF NECROPSY: 11/15/99 13:28 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	UTERUS (UT) : -CYST(S); BILATERAL, WITHIN LUMEN: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 4 MM IN DIAMETER GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -STAINS-PERINEUM/PERIANAL; DRY, BROWN MATERIAL	UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-MODERATE, MULTI-FOCAL DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), LIVER (LI), PANCREAS (PA), THYROID (TY), ADRENAL, MEDULLA (MA), LN, AXILLARY (AX)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92458 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/19/99 STUDY DAY OF DEATH: 470 STUDY WEEK OF DEATH: 68 TERMINAL BODY WEIGHT: 254.2 GRAMS
DATE AND TIME OF NECROPSY: 07/19/99 8:37 PROSECTOR: LYNN HORNER RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED		LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL, FOCAL
>SKIN & PELAGE; BROWN HAIR COAT; PERINEAL AREA; VERIFIED AT NECROPSY: NOT OBSERVED		KIDNEY (KD) : -CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL -MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) :	LIVER (LI) :
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	-LIGHT FOCUS(I)/AREA(S); DIAPHRAGMATIC SURFACE OF RIGHT MEDIAN LOBE: SINGLE TAN AREA, 4 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION	-VACUOLATION, HEPATOCELLULAR,-SLIGHT, MULTI-FOCAL
>BEHAVIOR; RECUMBENT; LATERAL; VERIFIED AT NECROPSY: NOT APPLICABLE		
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
	PITUITARY (PI) : -MASS(ES); 11 X 9 X 5 MM, RED, TAN, LOBULATED, AND SOFT	PITUITARY (PI) : -CYST,-PRESENT -B-ADENOMA,-NEOPLASM PRESENT
		DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED, DRY MATERIAL	

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92458 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/19/99 STUDY DAY OF DEATH: 470 STUDY WEEK OF DEATH: 68 TERMINAL BODY WEIGHT: 254.2 GRAMS
DATE AND TIME OF NECROPSY: 07/19/99 8:37 PROSECTOR: LYNN HORNER RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS | NECROPSY | HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-ANIMAL THIN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), THYROID (TY), MAMMARY, FEMALE (MF)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92459 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/28/00 STUDY DAY OF DEATH: 694 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: 292.3 GRAMS
DATE AND TIME OF NECROPSY: 02/28/00 13:28 PROSECTOR: DENNIS HOFFMAN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 70; 35 X 35MM; VERIFIED AT NECROPSY: OBSERVED		LUNG (LU) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL, FOCAL
>MASS(ES); INGUINAL REGION-RIGHT; WEEK 92; 30 X 30MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL, MULTI-FOCAL
		THYROID (TY) : -HYPERPLASIA, FOLLICULAR CELL,-MODERATE, FOCAL
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 35 X 35 X 25 MM, RED, TAN, FIRM, AND LOBULATED; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (SEE AXILLARY) -MASS #2; RIGHT INGUINAL REGION: SINGLE MASS, 55 X 34 X 22 MM, RED, DARK RED, TAN, BROWN, SOFT, AND LOBULATED; ON SECTION SOME AREAS CONTAIN A BROWN FLUID; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -GALACTOCELE,-MODERATELY SEVERE, MULTI-FOCAL -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92459 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/28/00 STUDY DAY OF DEATH: 694 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: 292.3 GRAMS
DATE AND TIME OF NECROPSY: 02/28/00 13:28 PROSECTOR: DENNIS HOFFMAN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 10 X 8 X 6 MM, RED, DARK RED, TAN, AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-MODERATE, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT
	LN, AXILLARY (AX) : -DIFFUSELY RED; RIGHT: (CAP 19) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	LN, AXILLARY (AX) : -HEMORRHAGE,-MINIMAL, MULTI-FOCAL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LIVER (LI), PANCREAS (PA)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92460 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/13/00 STUDY DAY OF DEATH: 679 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 289.2 GRAMS
DATE AND TIME OF NECROPSY: 02/13/00 8:33 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL; WEEK 62; 40 X 35MM; VERIFIED AT NECROPSY: OBSERVED		THYROID (TY) : -CYST, ULTIMOBRANCHIAL,-PRESENT
>EYES; SQUINTED; PERI-ORBITAL-LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT PERINEAL REGION: SINGLE MASS, 37 X 25 X 15 MM, TAN, VASCULAR, LOBULATED AND SOFT; ON SECTION EXUDES A TAN FLUID (CAP 21); REGIONAL LN (LUMBAR) NORMAL (CAP 20) -THICKENED; VENTRAL CERVICAL REGION: TAN AND FIRM (CAP 19)	MAMMARY, FEMALE (MF) : -GALACTOCELE,-SLIGHT, MULTI-FOCAL -MINERALIZATION,-MINIMAL, MULTI-FOCAL -B-FIBROADENOMA,-NEOPLASM PRESENT -M-CARCINOMA,-NEOPLASM PRESENT
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-RIGHT; VERIFIED AT NECROPSY: OBSERVED		
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -DILATATION, VENTRICULAR,-PRESENT
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED		
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	PITUITARY (PI) : -MASS(ES); 11 X 9 X 9 MM, RED, TAN, GRAY AND SOFT	PITUITARY (PI) : -HEMORRHAGE,-SLIGHT, MULTI-FOCAL -B-ADENOMA,-NEOPLASM PRESENT
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE	OVARY (OV) : -CYST(S); LEFT: SINGLE CLEAR FLUID FILLED CYST, 6 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE		DEATH COMMENT (DC) : -PITUITARY ADENOMA,-PRESENT
	FOOT/FOOTPAD (FP) : -CRUSTED AREA(S); RIGHT HIND FOOT: SINGLE RED, TAN AND DRY AREA, 5 X 4 MM; COLLECTED	FOOT/FOOTPAD (FP) : -EDEMA,-MODERATE, MULTI-FOCAL -EROSION,-MODERATE, MULTI-FOCAL

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92460 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/13/00 STUDY DAY OF DEATH: 679 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 289.2 GRAMS
DATE AND TIME OF NECROPSY: 02/13/00 8:33 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		FOOT/FOOTPAD (FP) : -INFLAMMATION, ACUTE,-MODERATE, MULTI- FOCAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY -ANIMAL THIN	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), LN, LUMBAR/ILIAC (LM)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92461 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/04/99 STUDY DAY OF DEATH: 425 STUDY WEEK OF DEATH: 61 TERMINAL BODY WEIGHT: 371.4 GRAMS
DATE AND TIME OF NECROPSY: 06/03/99 7:57 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	KIDNEY (KD) :	KIDNEY (KD) :
>DISCHARGE; NASAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED	-LARGE PELVIS(ES); RIGHT	-DILATATION, PELVIC,-PRESENT
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED	-GRANULAR MATERIAL; BILATERAL, WITHIN PELVES: TAN GRANULAR MATERIAL; COLLECTED INTACT	-MINERALIZATION, PELVIC,-MODERATE, MULTI-FOCAL
>SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) :
>BEHAVIOR; SENSITIVE TO TOUCH; VERIFIED AT NECROPSY: NOT APPLICABLE		-VACUOLATION, HEPATOCELLULAR,-MINIMAL, MULTI-FOCAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		PANCREAS (PA) :
		-ATROPHY, ACINAR,-MINIMAL, MULTI-FOCAL
	MAMMARY, FEMALE (MF) :	MAMMARY, FEMALE (MF) :
	-CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE TAN AND CREAMY FLUID FILLED CYSTS, UP TO 4 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION	-GALACTOCELE,-MINIMAL, MULTI-FOCAL
	-THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	
	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
		-DILATATION, VENTRICULAR,-PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 10 X 8 X 7 MM, RED, DARK RED, TAN AND SOFT	-CYST,-PRESENT
		-HEMORRHAGE,-MINIMAL, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92461 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/04/99 STUDY DAY OF DEATH: 425 STUDY WEEK OF DEATH: 61 TERMINAL BODY WEIGHT: 371.4 GRAMS
DATE AND TIME OF NECROPSY: 06/03/99 7:57 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS | NECROPSY | HISTOPATHOLOGY

DEATH COMMENT (DC) :
-PITUITARY ADENOMA,-PRESENT

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-DISCHARGE-OCULAR; BILATERAL: RED
-DISCHARGE-NASAL; BILATERAL: RED

- - - -

APPENDIX 6

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92462 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/21/00 STUDY DAY OF DEATH: 687 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: 279.2 GRAMS
DATE AND TIME OF NECROPSY: 02/21/00 13:21 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) :
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		-CAST, PROTEINACEOUS,-MINIMAL, MULTI-FOCAL
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED		-MINERALIZATION, PELVIC,-SLIGHT, MULTI-FOCAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		THYROID (TY) :
		-CYST, ULTIMOBRANCHIAL,-PRESENT
		-HYPERPLASIA, C-CELL,-MODERATE, FOCAL
	MAMMARY, FEMALE (MF) :	MAMMARY, FEMALE (MF) :
	-THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM (CAP 18)	-GALACTOCELE,-SLIGHT, MULTI-FOCAL
		-HYPERPLASIA, GLANDULAR,-MODERATELY SEVERE, DIFFUSE
	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
		-DILATATION, VENTRICULAR,-PRESENT
		-HEMORRHAGE,-MODERATE, FOCAL
		-PIGMENT,-SLIGHT, FOCAL
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 13 X 8 X 8 MM, DARK RED, GRAY, AND SOFT	-HEMORRHAGE,-MODERATE, MULTI-FOCAL
		-B-ADENOMA,-NEOPLASM PRESENT
	VAGINA (VA) :	VAGINA (VA) :
	-SEMIFLUID MATERIAL; LIGHT GREEN AND MUCOID	>UNREMARKABLE
		DEATH COMMENT (DC) :
		-PITUITARY ADENOMA,-PRESENT

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92462 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/21/00 STUDY DAY OF DEATH: 687 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: 279.2 GRAMS
DATE AND TIME OF NECROPSY: 02/21/00 13:21 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED AND CRUSTED -ANIMAL THIN	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), LIVER (LI), PANCREAS (PA)

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Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92463 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 04/28/98 STUDY DAY OF DEATH: 23 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 238.0 GRAMS
DATE AND TIME OF NECROPSY: 04/28/98 8:26 PROSECTOR: STEVE VAN ADESTINE RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TROY ELLENBECKER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	7.5785	3.1842 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LEFT OVARY (OV0)	--------	--------	--------	NOT TAKEN
RIGHT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; UNVERIFIED AT NECROPSY	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS	

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92463 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 04/28/98 STUDY DAY OF DEATH: 23 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 238.0 GRAMS
DATE AND TIME OF NECROPSY: 04/28/98 8:26 PROSECTOR: STEVE VAN ADESTINE RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TROY ELLENBECKER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92464 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/07/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 240.5 GRAMS
DATE AND TIME OF NECROPSY: 07/07/98 8:37 PROSECTOR: JODI THIEREN RECORDER: MATTHEW AXTMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	7.7170	3.2087 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LEFT OVARY (OV0)	--------	--------	--------	NOT TAKEN
RIGHT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS	

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92464 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/07/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 240.5 GRAMS
DATE AND TIME OF NECROPSY: 07/07/98 8:37 PROSECTOR: JODI THIEREN RECORDER: MATTHEW AXTMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92465 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/07/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 287.6 GRAMS
DATE AND TIME OF NECROPSY: 07/07/98 8:23 PROSECTOR: LYNN HORNER RECORDER: MATTHEW AXTMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	7.6100	2.6460 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LEFT OVARY (OV0)	--------	--------	--------	NOT TAKEN
RIGHT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS	

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Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92465 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/07/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 287.6 GRAMS
DATE AND TIME OF NECROPSY: 07/07/98 8:23 PROSECTOR: LYNN HORNER RECORDER: MATTHEW AXTMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

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Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92466 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/07/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 267.4 GRAMS
DATE AND TIME OF NECROPSY: 07/07/98 8:23 PROSECTOR: JODI THIEREN RECORDER: MATTHEW AXTMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	7.5092	2.8082 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LEFT OVARY (OV0)	--------	--------	--------	NOT TAKEN
RIGHT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS	

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Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92466 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/07/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 267.4 GRAMS
DATE AND TIME OF NECROPSY: 07/07/98 8:23 PROSECTOR: JODI THIEREN RECORDER: MATTHEW AXTMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

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Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92467 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 04/28/98 STUDY DAY OF DEATH: 23 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 205.2 GRAMS
DATE AND TIME OF NECROPSY: 04/28/98 8:33 PROSECTOR: TERRI L. WILLIAMS RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TROY ELLENBECKER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	8.2470	4.0190 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LEFT OVARY (OV0)	--------	--------	--------	NOT TAKEN
RIGHT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; UNVERIFIED AT NECROPSY	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS	

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92467 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 04/28/98 STUDY DAY OF DEATH: 23 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 205.2 GRAMS
DATE AND TIME OF NECROPSY: 04/28/98 8:33 PROSECTOR: TERRI L. WILLIAMS RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TROY ELLENBECKER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

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Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92468 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/07/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 249.4 GRAMS
DATE AND TIME OF NECROPSY: 07/07/98 9:01 PROSECTOR: LYNN HORNER RECORDER: MATTHEW AXTMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	7.7884	3.1229 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LEFT OVARY (OV0)	--------	--------	--------	NOT TAKEN
RIGHT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS	

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Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92468 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/07/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 249.4 GRAMS
DATE AND TIME OF NECROPSY: 07/07/98 9:01 PROSECTOR: LYNN HORNER RECORDER: MATTHEW AXTMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92469 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/07/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 229.4 GRAMS
DATE AND TIME OF NECROPSY: 07/07/98 8:42 PROSECTOR: JODI THIEREN RECORDER: MATTHEW AXTMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	7.3542	3.2058 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LEFT OVARY (OV0)	--------	--------	--------	NOT TAKEN
RIGHT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS	

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
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ANIMAL NUMBER: C92469 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

ANIMAL NUMBER: C92470 SEX: FEMALE DOSE GROUP: 9 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 04/28/98 STUDY DAY OF DEATH: 23 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 204.6 GRAMS
DATE AND TIME OF NECROPSY: 04/28/98 8:24 PROSECTOR: MICHELE MARGGI RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TROY ELLENBECKER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LEFT ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RIGHT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LEFT KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RIGHT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	7.3676	3.6010 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LEFT OVARY (OV0)	--------	--------	--------	NOT TAKEN
RIGHT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; UNVERIFIED AT NECROPSY	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS	

APPENDIX 6

Covance 6329-228
3M T-6316.1

Individual Anatomic Pathology Data

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%)
N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS

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POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. JAMES L. CARTER WEIGHER: TROY ELLENBECKER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LUNG (LU), KIDNEY (KD), LIVER (LI), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), SKIN (SK), MAMMARY, FEMALE (MF), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), EYE (EY), BRAIN (BR), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), HEART (HT), LN, MESENTERIC (MS), SPLEEN (SP), THYMUS (TH), ESOPHAGUS (ES), TRACHEA (TR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), OVARY (OV), CERVIX (CV), VAGINA (VA), LN, MANDIBULAR (MN), LN, AXILLARY (AX), FOOT/FOOTPAD (FP), LN, INGUINAL (IN), AORTA (AO), LN, RENAL (RL), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), TAIL (TI), URETER (UE), CAVITY, ORAL (OC), CALVARIUM/SKULL (CA), LN, MEDIASTINAL (ML), LN, OTHER (LN), BILE DUCT (BD), AUDITORY SEB GL (AS), LN, ANT MES/PANC (AP), ADIPOSE TISSUE (AT), JOINT, OTHER (JT), LN, POPLITEAL (PP), ADRENAL (AD)

APPENDIX 7

Cell Proliferation Report

PATHOLOGY ASSOCIATES
A CHARLES RIVER COMPANY

AMENDED FINAL
CELL PROLIFERATION REPORT

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS
COVANCE STUDY NUMBER 6329-228

PREPARED FOR:

3M
TOXICOLOGY SERVICES
BUILDING 220-2E-02, 3M CENTER
ST. PAUL, MN 55144-1000

PREPARED BY:

PATHOLOGY ASSOCIATES - A CHARLES RIVER COMPANY
15 WORMAN'S MILL COURT, SUITE I
FREDERICK, MD 21701

PATHOLOGY ASSOCIATES
A CHARLES RIVER COMPANY

FINAL REPORT AMENDMENT

Study Number:	Covance Study No. 6329-228
Title:	104-Week Dietary Carcinogenicity Study with Narrow Range (98.1%) N-Ethyl Perfluorooctanesulfonamido Ethanol in Rats
Date of Final Report:	October 30, 2001
Amendment:	(1) Narrative: Header study number corrected throughout report narrative and "Amended Final" placed on new headers and title page. (2) Dr. Carolyn Moyer will sign the Amended Final Report in lieu of Dr. Mark Butt. (3) Report Narrative, Introduction page I-1, paragraph 3.
Reason for Amendment:	(1) Study number in the header was not correct. Amended Final documented on revised header and title page. (2) Dr. Carolyn Moyer has returned from medical leave. (3) The signature page will now reflect Dr. Moyer's signature so this statement is no longer necessary.

Sandra R. Eldridge, Ph.D.
Project Manager
Pathology Associates - A Charles River Company

12-6-01
Date

Quality Assurance
Pathology Associates - A Charles River Company

November 20, 2001
Date

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I. REPORT NARRATIVE

CELL PROLIFERATION REPORT FOR:

104-WEEK DIETARY CARCINOGENICITY STUDY WITH NARROW RANGE (98.1%) N-ETHYL PERFLUOROOCTANESULFONAMIDO ETHANOL IN RATS COVANCE STUDY NUMBER 6329-228

INTRODUCTION

The purpose of the study was to assess the carcinogenicity of the test material when administered in the diet to rats for at least 104 weeks.

This report, submitted by Pathology Associates - A Charles River Company [formerly Pathology Associates International (PAI)] to the study Sponsor, 3M Toxicology Services, represents the cell proliferation findings and interpretation for Covance Study Number 6329-228 entitled "104-Week Dietary Carcinogenicity Study with Narrow Range (98.1%) N-Ethyl Perfluorooctanesulfonamido Ethanol In Rats".

REGULATORY COMPLIANCE

All aspects of the tasks associated with PAI's portion of this study were conducted in compliance with the Food and Drug Administration Good Laboratory Practice (GLP) Regulations as set forth in Title 21 of the US Code of Federal Regulations, Part 58, issued December 22, 1978 (effective June 20, 1979), and with any applicable amendments.

RECORD RETENTION

PCNA evaluation data, paraffin blocks and tissue slides are retained by PAI.

MATERIALS AND METHODS

Tissue Collection for Cell Proliferation

Five animals per sex per group in groups 8 (control) and 9 (treated) were sacrificed during week 14 for hepatocellular proliferation rate measurements. A section of the left lateral lobe of the liver from each of the 20 animals was fixed and processed to paraffin block by Covance per protocol specifications. Tissue blocks were shipped to PAI for sectioning and staining. From each block, a slide was prepared for H&E evaluation and immunohistochemical detection of proliferating cell nuclear antigen (PCNA), a marker of cell proliferation.

Immunohistochemistry for Cell Proliferation

Sections of paraffin-embedded tissues were cut ≅ 5 µm and placed on positively charged slides (Superfrost Plus, Fisher Scientific, Pittsburgh, PA) to ensure adhesion during processing for PCNA. Standard immunohistochemical methods for PCNA (Eldridge, et al., 1993) were used to stain tissues. Briefly, tissue sections were incubated with a monoclonal antibody to PCNA (Lot# 016 Exp. 10/99 DAKO, Carpinteria, CA) and reagents required for the avidin-biotin peroxidase (ABC Elite Kit K327 Lot# PK-6100 Exp. 2/10/99, Vector, Burlingame, CA) method for the detection of the antigen-antibody complex. PCNA expression in cells in all phases of the cell cycle (G1, S, G2 and M) was localized by the chromagen 3,3'-diaminobenzidine (DAB Lot# 18H8201 Exp.4/00, Sigma Chemical Co., St. Louis, MO). Tissue sections were counterstained with hematoxylin.

Cell Proliferation Measurements

Positive staining for PCNA was categorized based on cellular distribution and intensity of the brown to black reaction product that correlated with the different phases of the cell cycle (Eldridge et al., 1993). Uniform, dark brown to black nuclear staining was judged to be positive for S phase cells. A cell in the G_1 phase of the cell cycle had diffuse, stippled nuclear staining that was lighter than a cell in S phase. Cells in the G_2 phase exhibited distinct, diffuse cytoplasmic stippling with or without nuclear staining. Mitotic figures were conspicuous with diffuse cytoplasmic stippling. The percentage of proliferating hepatocytes (proliferating index PI; G_1+S+G_2+M phases combined) was determined by scoring at least 3000 hepatocytes in 10 randomly selected fields per animal. A negative control slide was included in the staining run and consisted of study tissue (animal no. C92255) that was not incubated with the primary antibody.

For cell proliferation evaluations, slides were first perused at low magnification (100X) to judge quality of staining, processing and sectioning, pattern of cell labeling (e.g., centrilobular or panlobular, extrahepatocellular proliferation, such as Kupffer cells, bile duct epithelium, endothelium), and histomorphologic changes. The later was further assessed by evaluating the serial H&E slide for each animal evaluated for cell proliferation. Cell proliferation was then quantified at higher magnification (200X) as described above.

Statistical Analysis

The Student's *t*-test (two-sided, unequal variance) was used to test for statistical significance in PI between control and treatment groups using Microsoft Excel version 5.0. A *P* value of less than 0.05 was judged to be statistically significant.

RESULTS

Cell Proliferation

Individual animal and group mean cell proliferation data are presented in Section II (Table II-1) and graphically in Figure III-1. The percentage of proliferating hepatocytes (PI) did not differ significantly in male or female rats exposed to the 1 ppm NEtFOSE at 14 weeks on study.

Histopathology

Sections from the same tissue blocks used for preparation of PCNA-stained slides were stained with hematoxylin and eosin (H&E) for histopathologic evaluation to facilitate the interpretation of the immunostained slides. Individual animal findings are presented in Section IV.

Single sections of liver from 10 male and 10 female rats representing 5 animals/treatment group/sex including control and 1 ppm NEtFOSE treatment groups were evaluated histologically. Each tissue section was stained with hematoxylin and eosin. The purpose of this evaluation was to determine whether or not morphologic changes were occurring in these tissues that may alter or confound the specificity of the PCNA staining observed in these animals.

The results showed that no significant changes that would alter the interpretation of the PCNA staining in this study were observed in the liver tissues from either the male or female rats.

DISCUSSION

In the present study, cell proliferation was measured within the liver of male and female rats from control and 1 ppm NEtFOSE after 14 weeks on study. A statistically significant increase in cell proliferation, as determined by the proliferating index (PI) was not observed in male or female rats from the 1 ppm NEtFOSE group after 14 weeks on study. Furthermore, there was no indication of a biologically relevant proliferative response.

SUMMARY

After 14 weeks on study, enhanced cell proliferation was not evident in the liver of male and females rats exposed to 1 ppm NEtFOSE.

LITERATURE CITED

Eldridge, S.R., Butterworth, B.E., Goldsworthy, T.L. (1993). Proliferating cell nuclear antigen: A marker for hepatocellular proliferation in rodents. *Environ Health Perspec* 101: 211-218.

II. TABLE

3M
Covance Study No. 6329-228

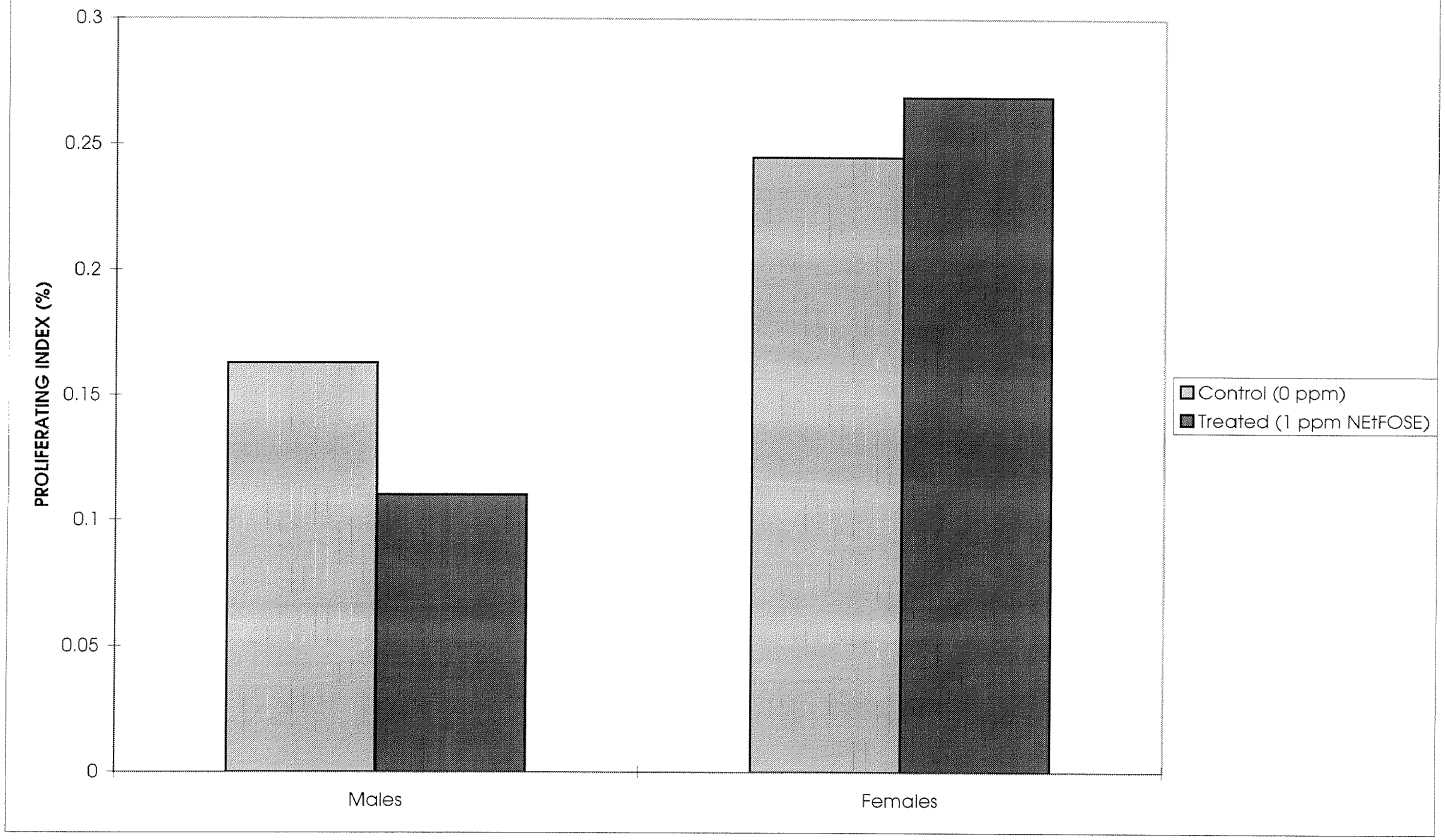
TABLE II-1. CELL PROLIFERATION IN LIVER OF RATS
AFTER 14 WEEKS ON STUDY

Dose Group	Sex	Animal Number	Proliferating Index Liver
8 - 0 ppm (Control)	M	C92255	0.173%
8 - 0 ppm (Control)	M	C92256	0.199%
8 - 0 ppm (Control)	M	C92257	0.029%
8 - 0 ppm (Control)	M	C92258	0.147%
8 - 0 ppm (Control)	M	C92260	0.265%
		Mean	**0.163%**
		SEM	**0.039%**
9 - 1 ppm NEtFOSE	M	C92325	0.118%
9 - 1 ppm NEtFOSE	M	C92326	0.146%
9 - 1 ppm NEtFOSE	M	C92327	0.170%
9 - 1 ppm NEtFOSE	M	C92328	0.087%
9 - 1 ppm NEtFOSE	M	C92330	0.030%
		Mean	**0.110%**
		SEM	**0.025%**
		t-test	**0.2928**
8 - 0 ppm (Control)	F	C92396	0.058%
8 - 0 ppm (Control)	F	C92397	0.544%
8 - 0 ppm (Control)	F	C92398	0.147%
8 - 0 ppm (Control)	F	C92399	0.269%
8 - 0 ppm (Control)	F	C92400	0.205%
		Mean	**0.245%**
		SEM	**0.083%**
9 - 1 ppm NEtFOSE	F	C92464	0.266%
9 - 1 ppm NEtFOSE	F	C92465	0.089%
9 - 1 ppm NEtFOSE	F	C92466	0.295%
9 - 1 ppm NEtFOSE	F	C92468	0.435%
9 - 1 ppm NEtFOSE	F	C92469	0.261%
		Mean	**0.269%**
		SEM	**0.055%**
		t-test	**0.8116**

III. FIGURE

3M
Covance Study No. 6329-228

FIGURE III-1. CELL PROLIFERATION IN LIVER OF RATS AFTER 14 WEEKS ON STUDY



IV. HISTOPATHOLOGY FINDINGS

3M
Covance Study No. 6329-228

Individual Animal Histopathology Findings

104-Week Dietary Carcinogenicity Study with Narrow Range (98.1%) N-Ethyl Perfluorooctanesulfonamido Ethanol in Rats

Histopathologic Findings after 14 weeks on Study

Tissue: Liver

ANIMAL NUMBER	SEX	DOSE GROUP	HISTOLOGIC FINDINGS
C92255	M	8-0 ppm (Control)	No Significant Findings
C92256	M	8-0 ppm (Control)	No Significant Findings
C92257	M	8-0 ppm (Control)	No Significant Findings
C92258	M	8-0 ppm (Control)	No Significant Findings
C92260	M	8-0 ppm (Control)	No Significant Findings
C92325	M	9-1ppm NEtFOSE	No Significant Findings
C92326	M	9-1ppm NEtFOSE	No Significant Findings
C92327	M	9-1ppm NEtFOSE	No Significant Findings
C92328	M	9-1ppm NEtFOSE	No Significant Findings
C92330	M	9-1ppm NEtFOSE	No Significant Findings
C92396	F	8-0 ppm (Control)	No Significant Findings
C92397	F	8-0 ppm (Control)	No Significant Findings
C92398	F	8-0 ppm (Control)	No Significant Findings
C92399	F	8-0 ppm (Control)	No Significant Findings
C92400	F	8-0 ppm (Control)	No Significant Findings
C92464	F	9-1ppm NEtFOSE	No Significant Findings
C92465	F	9-1ppm NEtFOSE	No Significant Findings
C92466	F	9-1ppm NEtFOSE	No Significant Findings
C92468	F	9-1ppm NEtFOSE	No Significant Findings
C92469	F	9-1ppm NEtFOSE	No Significant Findings

V. SIGNATURE PAGE

Submitted by:

Project Manager:

Sandra R. Eldridge, Ph.D. — Date: 12-6-01

Project Pathologist:

Carolyn Moyer, D.V.M., Diplomate, A.C.V.P. — Date: 11/28/01

VI. QUALITY ASSURANCE STATEMENT

PATHOLOGY ASSOCIATES
A CHARLES RIVER COMPANY

Cell Proliferation Report

104-Week Dietary Carcinogenicity Study with Narrow Range (98.1%) N-Ethyl Perfluorooctanesulfonamido Ethanol in Rats

Covance Study Number 6329-228

QUALITY ASSURANCE STATEMENT

This cell proliferation project has been inspected and audited by the PAI Quality Assurance Unit (QAU) as required by the Good Laboratory Practice (GLP) regulations promulgated by the U.S. Food and Drug Administration (FDA). The cell proliferation report is an accurate reflection of the recorded data. The following table is a record of the inspections/audits performed and reported by the QAU.

Date of Inspection	Phase Inspected	Date Findings Reported to Project Manager/ PAI Management	Date Findings Reported to Study Director/Study Director Management
07/30/98	Staining and Coverslipping	07/30/98	10/25/01
09/06/00	Study Data Supporting Documentation	09/06/00	10/25/01
09/06/00	Draft Cell Proliferation Report	09/06/00	10/25/01
10/25,30/01	Final Cell Proliferation Report	10/25,30/01	10/25,30/01
11/20/01	Amended Final Cell Proliferation Report	11/20/01	11/20/01

Sharon E. Abel
Quality Assurance Officer

November 20, 2001
Date