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Final Report

4-Week Range-Finding Dietary Toxicity Study with N-Methyl
Perfluorooctanesulfonamido Ethanol (N-MeFOSE, T-6314) in
Rats

PREPARED FOR:
3M

COVANCE STUDY NUMBER:
6329-224

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Sponsor:

3M
St. Paul, Minnesota

FINAL REPORT

Study Title:

4-Week Range-Finding Dietary Toxicity Study with N-Methyl
Perfluorooctanesulfonamido Ethanol (N-MeFOSE, T-6314) in Rats

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Study Completion Date:

July 5, 2000

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Laboratory Study Identification:

Covance 6329-224

Sponsor Project Identification:

3M T-6314.2

QUALITY ASSURANCE STATEMENT

This report, with the exception of Appendix 7, has been reviewed by the Quality Assurance Unit of Covance Laboratories Inc., in accordance with the Food and Drug Administration (FDA) Good Laboratory Practice Regulations, 21 CFR 58. The data in Appendix 7 was generated by and is the responsibility of Pathology Associates International. The following inspections were conducted and findings reported to the study director and study director management.

Inspection Dates		Phase	Date Reported to Study Director and Study Director Management
From	To		
06/04/98	06/04/98	Protocol Review	06/04/98
07/13/98	07/13/98	Postlife	07/13/98
09/16/98	09/25/98	Data Review	09/25/98
10/01/98	10/09/98	Data Review	10/09/98
10/19/98	10/22/98	Report Review	10/22/98
06/02/99	06/02/99	Protocol Amendment Review	06/02/99
05/02/00	05/03/00	Report Review	05/03/00

Delma J. Kellenberger
Representative
Quality Assurance Unit

05 July 2000
Date

STUDY IDENTIFICATION

4-Week Range-Finding Dietary Toxicity Study with N-Methyl Perfluorooctanesulfonamido Ethanol (N-MeFOSE, T-6314) in Rats

Test Material	N-Methyl Perfluorooctanesulfonamido Ethanol (MeFOSE, T-6314)
Sponsor	3M Toxicology Services Building 220-2E-02, 3M Center St. Paul, Minnesota 55144-1000
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Study Location	Covance Laboratories Inc. 3301 Kinsman Boulevard Madison, Wisconsin 53704-2595
Study Director	Peter J. Thomford, PhD Covance Laboratories Inc. P.O. Box 7545 Madison, Wisconsin 53707-7545 608.241.7207
Study Timetable	
Study Initiation Date	June 8, 1998
In-Life Start Date	June 12, 1998
In-Life End Date	July 13, 1998
Study Completion Date	July 5, 2000

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**4-Week Range-Finding Dietary Toxicity Study with N-Methyl
Perfluorooctanesulfonamido Ethanol (N-MeFOSE, T-6314) in Rats**

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ABSTRACT

The purpose of this study was to assess the toxicity of the test material, N-Methyl Perfluorooctanesulfonamido Ethanol (N-MeFOSE, T-6314) when administered in the diet to rats for at least 4 weeks.

Six groups of Crl:CD[®](SD) IGS BR rats were exposed to N-MeFOSE in the diet for at least 4 weeks. Each group contained six males and six females. The dose levels were 0 (control group), 1, 10, 30, 100, and 500 ppm.

Food was provided *ad libitum*, except when animals were fasted. Water was provided *ad libitum*. The animals were observed twice daily (a.m. and p.m.) for mortality and moribundity. At least once each week, each animal was removed from its cage and examined for abnormalities and signs of toxicity. Body weights and food consumption data were collected twice weekly for at least 4 weeks. Blood and urine samples were collected for hematology, clinical chemistry, and urinalysis tests from all surviving animals after 4 weeks of treatment. After at least 4 weeks of treatment, blood was also collected from all surviving animals for serum perfluorooctane sulfonic acid (PFOS) analyses. On Day 32, the animals were anesthetized, weighed, exsanguinated, and necropsied. At necropsy, macroscopic observations were recorded, selected organs were weighed, and selected tissues were collected and preserved. Samples of liver were collected from all surviving animals for palmitoyl-CoA oxidase activity (by Covance) and proliferation cell nuclear antigen (PCNA) evaluation and liver PFOS analysis (by the Sponsor). The animal that died on test was also necropsied, but organ weights were not recorded. Microscopic examinations were done on tissues from each animal.

One animal given 500 ppm N-MeFOSE died on Day 25. All other animals survived to the scheduled sacrifice. No clinical observations were noted that were considered to represent primary effects of the test material. Lower body weight, body weight gains, and food consumption in animals given 500 ppm were test material-related.

Dietary administration of N-MeFOSE at a dose level of 500 ppm for approximately 4 weeks was associated with several effects on clinical pathology test results including moderately lower red blood cell count, hemoglobin, and hematocrit; lower absolute eosinophil count; mildly higher urea nitrogen; moderately higher albumin and mildly to

moderately lower globulin; markedly lower cholesterol; mildly to moderately higher total bilirubin, aspartate aminotransferase, and alanine aminotransferase; and moderately higher hepatic palmitoyl-CoA oxidase. Of uncertain relationship to administration of N-MeFOSE were lower urine pH for males fed 500 ppm and small differences for animals fed 100 ppm including higher urea nitrogen, albumin, and alanine aminotransferase (males only) and lower cholesterol. Of the differences for animals fed 100 ppm, only the difference for alanine aminotransferase was statistically significant.

Mean absolute and relative (to brain and body) liver weights for all males and females given 100 and 500 ppm N-MeFOSE were significantly increased over control values, and these variations were regarded as treatment-related. All additional mean organ weights, which varied significantly from control values, were considered to be within the range or normal biologic variation, or were manifestations of slight weight loss associated with physiologic stress.

Treatment-related microscopic findings were restricted to the liver and consisted of minimal to severe centrilobular hepatocellular hypertrophy. Hypertrophic changes were slightly more severe in males; and at the high-dose level, liver cell swelling in several males was associated with acute necrosis. Necrosis was attributed to restricted blood supply (ischemia) from swollen liver cells rather than direct hepatocellular damage. Additional microscopic findings were consistent with common, spontaneous alterations in laboratory rats or changes associated with stress, nutritional deprivation, or tissue processing artifact.

Based on the results of this study, dietary administration of N-MeFOSE to CrI:CD[®](SD) IGS BR rats for at least 4 weeks resulted in adverse effects at a dose level of 500 ppm. The no-observable-adverse-effect level was determined to be 100 ppm.

PURPOSE

The purpose of this study was to assess the toxicity of the test material, N-Methyl Perfluorooctanesulfonamido Ethanol (N-MeFOSE, T-6314) when administered in the diet to rats for at least 4 weeks.

REGULATORY COMPLIANCE

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

TEST MATERIAL AND VEHICLE

Test Material

The test material, N-Methyl Perfluorooctanesulfonamido Ethanol (MeFOSE, T-6314), Lot No. F-11364, is an off white powder. It was received at Covance on August 3, 1995.

Information on synthesis methods, stability, purity, composition, or other characteristics that define the test material is on file with the Sponsor.

The test material was stored at room temperature.

Vehicle

The vehicle was acetone (Spectrum Quality Products Inc., Gardena, California), Lot No. LH0253 (expiration date: June 2000). It was received at Covance on June 23, 1997.

The vehicle was stored at room temperature.

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

Reserve (Archive) Samples

A reserve sample {approximately 5 g) of the test material was taken and stored at room temperature. These samples will be transferred to the Sponsor after authorization from the Sponsor.

Disposition

Remaining test material was retained for future use (see Protocol Deviations page for exception).

TEST SYSTEM

Test Animal

Male and female Crl:CD[®](SD) IGS BR rats were obtained from the Raleigh, North Carolina, facility of Charles River Laboratories, Inc., on June 2, 1998. The animals were 31 to 37 days old at initiation of treatment. The males weighed from 144 to 194 g, and the females weighed from 114 to 158 g at initiation of treatment.

Identification

Each animal was assigned a temporary number upon arrival. Before initiation of treatment, a microchip identification device was implanted into each animal. After randomization for placement on test, each animal was assigned a permanent number, and the microchip was coded with the permanent number. All data for an animal are recorded under these numbers.

Acclimation

Forty-one males and 41 females were received on June 2, 1998, and acclimated in Animal Room 349 for 10 days before initiation of treatment. In general, animals in this shipment appeared healthy. During acclimation, the animals were examined for abnormalities indicative of health problems, and body weights were recorded for all animals at randomization.

Housing and Maintenance

Animal Room 349 was used for this study. Environmental controls for the animal room were set to maintain 18 to 26°C, a relative humidity of 30 to 70%, and a 12-hour light/12-hour dark cycle. Variations from these conditions are documented in the data and are considered to have had no effect on the outcome of the study.

The animals were housed individually (except for the first 7 days of acclimation when animals were group-housed) in stainless steel, screen-bottom cages.

Certified rodent diet #5002 meal, (PMI Nutrition International) was provided *ad libitum*, except when animals were fasted. The diet is routinely analyzed by the manufacturer for nutritional components and environmental contaminants. The results are on file with Covance-Madison.

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

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

Animals not selected for the study (five males and five females) were removed from the study room and used for training procedures.

Justification

Rats historically have been used in safety evaluation studies and are recommended by appropriate regulatory agencies.

PROCEDURES

This study was conducted in accordance with the Protocol dated June 8, 1998, and Protocol Amendment No. 1. The protocol, protocol amendment, and protocol deviations are in Appendix 1.

The animals were examined by a laboratory animal veterinarian on June 10, 1998, and found to be suitable for study consideration. Selection of animals for the study was based on clinical observations, body weights, and other data as appropriate. Animals were assigned to treatment groups using a computerized blocking procedure designed to achieve body weight balance with respect to treatment group. At the time of randomization, the weight variation of the animals for each sex used did not exceed ± 2 standard deviations of the mean weight. Group mean body weights were analyzed using Levene's test for homogeneity of variance at the 5.0% probability level and found to be homogeneous. Animals were assigned to the study according to the following design:

Group Designations and Dietary Levels

Group	Number of Animals		Dietary Levels (ppm MeFOS) ^a
	Male	Female	
1 (Control) ^b	6	6	0
2 (Low)	6	6	1
3 (Low-Mid)	6	6	10
4 (Mid)	6	6	30
5 (Mid-High)	6	6	100
6 (High)	6	6	500

a Dose levels were expressed as ppm of MeFOS.

b The control animals received the basal diet only.

Dose Preparation

Dietary concentrations were based on the test material as supplied. Diets were prepared pretest for homogeneity, and twice for use in the in-life phase.

Preparation of Diet for Group 1. The appropriate amount of diet was weighed into a labeled container, and acetone was added at the same concentration as the high-dose concentration. The combination of the diet and acetone was then mixed for 15 minutes.

Preparation of Diet for Group 6. Each dose level was prepared independently. A specified amount of diet was weighed into a labeled Hobart® mixing bowl. The required amount of test material was weighed and transferred into a labeled container. Approximately 5 mL of acetone was added to the container and mixed manually.

Increments of approximately 5 mL acetone were added as necessary until the test material had dissolved. To prepare a premix, the diet was transferred into a labeled Hobart® mixing bowl. The test material and acetone were added to the mixing bowl, overlaid with a portion of diet from the mixing bowl, and thoroughly mixed. A portion of diet from the mixing bowl was transferred to a second mixing bowl, mixed manually to recover residual test material, and returned to the first mixing bowl. The contents of the mixing bowl were thoroughly mixed.

Preparation of Diets for Groups 2 through 5. Each dose level was prepared independently. A specified amount of diet was weighed into a labeled Hobart® mixing bowl and a specified amount of diet for Group 6 was weighed for each diet. A pocket was formed in the feed in the mixing bowl and the amount of diet for Group 6 was transferred to the pocket. The contents of the mixing bowl were thoroughly mixed for 10 minutes.

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

The prepared test diets were stored at room temperature in covered containers until dispensed into feeding jars.

Retention Samples

Samples (approximately 100 g) were taken from each dose preparation sampled for dose analyses and stored at room temperature. These samples were discarded on December 9, 1998 (see Protocol Deviations page for exception).

Dose Analyses

Analyses for the concentration of test material in the dose preparations were done by Covance using an analytical method, MP-M324-MA, supplied by the Sponsor and validated by Covance.

Homogeneity was determined for all test material dose preparations once pretest. One sample each (approximately 100 g) from the top, middle, and bottom of the dose preparations mixed for homogeneity analyses was collected, divided into three subsamples for extraction and analyzed for test material content. All samples were stored at room

temperature until analyzed. In addition, one sample each (approximately 100 g) from the top, middle, and bottom of the 1-ppm dose preparation mixed for the in-life portion of the study was collected, divided into three subsamples for extraction and analysis, and analyzed for test material content.

To evaluate the stability of the test material in the diet, four sets of samples (approximately 100 g each) were taken from the highest test material concentration used for the study. One set was analyzed on the day of mixing; a second sample of the high-dose preparation was stored at room temperature for at least 19 days, then analyzed. The third sample of the high-dose preparation was stored at room temperature for 32 days, then analyzed. Another sample of the high-dose preparation was stored at room temperature for 62 days, then analyzed. The remaining sample of the high-dose preparation was stored in a freezer set to maintain -10 to -30°C for 8 weeks, then analyzed. In addition, three samples (approximately 100 g each) were taken from the low-dose level preparation mixed for the in-life portion of the study and analyzed. Homogeneity samples collected from the middle of the low-dose preparation were analyzed on the day of mixing and used as the baseline value.

Samples (approximately 100 g) from all dose preparations were analyzed. The homogeneity sample collected from the middle of the low-dose level preparation mixed for Weeks 1 through 4 was used for dose confirmation. All samples were stored at room temperature until analyzed.

Method of Administration

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

The dose preparations were administered *ad libitum* for at least 4 weeks, unless otherwise specified.

Clinical Observations

The animals were observed twice daily (a.m. and p.m.) for mortality and moribundity. Signs of poor health or abnormal behavior were recorded as they were observed. At least once each week, each animal was removed from its cage and examined. Any unusual or abnormal findings were recorded.

Body Weights

Individual body weight data were recorded on the first day of treatment and twice weekly thereafter.

Food Consumption

Individual food consumption data were recorded twice weekly during treatment.

Serum Perfluorooctane Sulfonic Acid Level (PFOS) Determination

After at least 4 weeks of treatment, animals were fasted overnight, anesthetized with carbon dioxide, and blood (as much as possible) was collected via cardiac puncture from all surviving animals. All samples were collected without anticoagulant, allowed to clot, at room temperature and centrifuged. Serum was harvested and stored in a freezer set to maintain -60 to -80°C until packed on dry ice and shipped to the Sponsor for analyses. The samples were analyzed for PFOS. Results of analyses will be reported separately by the Sponsor.

Clinical Pathology

After at least 4 weeks of treatment, blood and urine samples were collected from each animal. Animals were fasted overnight, and urine was collected chilled (approximately 16 hours before blood sampling); water was provided *ad libitum*. The animals were anesthetized with carbon dioxide; blood was collected via cardiac puncture. Potassium EDTA was used as anticoagulant for hematology tests. Animals were bled in random order. The following were evaluated.

Hematology

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

Reticulocyte count smears were made and held for possible future examination.

Clinical Chemistry

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

Urinalysis

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

The remaining urine (up to 10 mL) for each animal was stored in a freezer set to maintain -10 to -30°C. Samples were packed on dry ice and shipped to the Sponsor. Urine samples will be stored by the Sponsor for possible future analysis.

Necropsy

A necropsy was done on the animal that was found dead. After at least 4 weeks of treatment, all surviving animals were fasted overnight, anesthetized with carbon dioxide, bled for clinical pathology tests and serum PFOS samples, weighed, exsanguinated, and necropsied. Animals were necropsied in random order.

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

Organ Weights

At the scheduled sacrifice, the following organs (when present) were weighed; paired organs were weighed together (see Protocol Deviations for exception):

adrenal (2)	ovary (2)
brain	spleen
epididymis (2)	testis (2)
kidney (2)	thymus
liver	thyroid (2) with parathyroid

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

Cell Proliferation Tissue Collection and Immunohistochemical Evaluation

At the scheduled sacrifice, representative samples of left lateral lobe of the liver were collected from each animal and preserved in zinc formalin. After fixation, samples were embedded in paraffin and shipped to Pathology Associates International for proliferation cell nuclear antigen (PCNA) evaluation. Results of the evaluation are in Appendix 7.

Palmitoyl-CoA Oxidase Tissue Collection and Analyses

At the scheduled sacrifice, a sample (approximately 500 mg) of the right lateral lobe of liver was collected from each animal, flash-frozen in liquid nitrogen, and stored in a freezer set to maintain -60 to -80°C until analyzed for palmitoyl-CoA oxidase activity.

Liver PFOS Analyses

A portion of the liver was collected from each animal at the scheduled sacrifice and stored in a freezer set to maintain -60 to -80°C until packed on dry ice and shipped to the Sponsor for PFOS and metabolites analyses. Results of these analyses will be reported separately by the Sponsor.

Tissue Preservation

The following tissues (when present) from each animal were collected and preserved in 10% neutral-buffered formalin:

adrenal (2)	ovary (2)
aorta	pancreas
brain	pituitary
cecum	prostate
cervix	rectum
colon	salivary gland [mandibular (2)]
duodenum	sciatic nerve
esophagus	seminal vesicles
epididymis (2)	skeletal muscle (thigh)
eye (2)	skin
femur with bone marrow (articular surface of the distal end)	spinal cord (cervical, mid-thoracic, and lumbar)
Harderian gland	spleen
heart	sternum with bone marrow
ileum with Peyer's patch (lymphoid aggregate)	stomach
jejunum	testis [(2) preserved in Bouin's fixative]
kidney (2)	thymus
lesions	thyroid (2) with parathyroid
liver	trachea
lung with mainstem bronchi	urinary bladder
lymph nodes (mesenteric and mandibular)	uterus
mammary glands (females only)	vagina
	Zymbal's gland

Tissues were shipped to Pathology Associates International for processing. The adrenals, brain, eyes, kidneys, liver, mesenteric lymph node, pancreas, spleen, testes, and ovaries from each animal were embedded in paraffin, sectioned, and stained with hematoxylin and eosin (see Protocol Deviations). The tissue slides were examined microscopically by Dr. Richard H. Bruner, DVM, DAVCP of Pathology Associates International.

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

Statistical Analyses

Levene's test was done to test for variance homogeneity. In the case of heterogeneity of variance at $p \leq 0.05$, transformations were used to stabilize the variance. Comparison tests took variance heterogeneity into consideration.

One-way analysis of variance (ANOVA) was used (if applicable) to analyze body weights, body weight changes, food consumption, continuous clinical pathology values, and organ weight data. If the ANOVA was significant, Dunnett's t-test was used for control versus treated group comparisons.

Group comparisons (Groups 2 through 6 versus Group 1) were evaluated at the 5.0%, two-tailed probability level. Only data collected on or after the first day of treatment was analyzed statistically.

RECORD RETENTION

All raw data, documentation, records, protocol, and specimens generated as a result of this study will be archived in the storage facilities of Covance-Madison for a period of 1 year. One year after the submission of the final report, the Sponsor will determine the final disposition of the materials. All raw data stored on magnetic media, the protocol and protocol amendments, study correspondence, and an original copy of the final report will be retained by Covance-Madison.

PCNA evaluation data, paraffin blocks, and tissue slides will be retained by Pathology Associates International.

Liver, urine, and serum samples sent to the Sponsor and analysis data will be retained by the Sponsor.

RESULTS

Dose Analyses

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

Mean values of the homogeneity analyses ranged from 102-268%, 95.9-102%, 93.7-97.0%, 94.4-95.8%, and 94.0-101% of the theoretical concentrations for the diets containing 1, 10, 30, 100, and 500 ppm N-MeFOSE, respectively. Because the results of the analyses of diets mixed on June 11, 1998, for the diet containing 1 ppm were high (118%, 268%, and 129%), they were reanalyzed. The results of the reanalyses were 116%, 114%, and 102%. These results indicate that the mixing procedure produced a homogeneous distribution of the test material in the dose preparations.

Results of stability analyses of samples stored for 19, 32, and 62 days at room temperature and 8 weeks under frozen conditions, indicated that the mean concentrations were 90.2%, 83.4%, 70.6% and 97.2%, respectively, of the theoretical concentrations of 500 ppm. Results of stability analyses of samples from the 1-ppm theoretical concentration, indicated that the mean concentrations were 132% and 72.6% for the diet preparations mixed pretest and the in-life portion of the study, respectively. Therefore, the dose preparations were stable for 62 days at room temperature storage and 8 weeks under frozen conditions for mean concentration of 500 and 1 ppm, respectively.

The mean concentrations of the dose preparation analyses for all levels ranged from 63.3% to 114% of the theoretical concentrations. These data indicate that the levels of N-methyl perfluorooctanesulfonamido ethanol (N-MeFOSE, T-6314) in the dose preparations were acceptable only for dose levels of 10, 30 100, and 500 ppm.

Clinical Observations and Survival

Clinical observations are summarized in Table 4; individual data are in Appendix 2. Individual animal fate data are also in Appendix 2.

One animal given 500 ppm N-MeFOSE died on Day 25. This animal exhibited severe hepatocellular hypertrophy and moderately-severe liver necrosis at microscopic exam. All other animals survived to the scheduled sacrifice.

No clinical observations were noted that were considered effects of the test material.

Body Weights and Body Weight Changes

Body weight and body weight change data are summarized in Tables 5 and 6; individual data are in Appendix 3.

Although not statistically significant, animals given 1, 10, 30, or 100 ppm N-MeFOSE had lower mean body weights than those of controls for most of the study. Test material related lower body weight and body weight gains were noted for animals given 500 ppm. For males and females given 500 ppm, statistically lower body weights were apparent beginning on Days 8 and 11, respectively, and continuing through the end of study. Mean body weight gains for animals given 500 ppm were lower than those of control animals throughout the study.

Food Consumption

Food consumption data are summarized in Table 7; individual data are in Appendix 4.

Statistically test material related decreases in food consumption were noted in males given 500 ppm throughout the study and in females given 500 ppm beginning on Day 4 and continuing throughout the study. The overall mean food consumption for males fed the 100- or 500-ppm concentration was significantly reduced compared with that of the controls, and the overall mean food consumption for females fed the 500-ppm concentration was significantly reduced compared with that of the controls.

There were no significant food consumption differences noted in animals given 1, 10 or 30 ppm N-MeFOSE.

Test Material Consumption

Test material consumption data are summarized in Table 8. Individual data are in Appendix 4.

Animals were fed diets containing 1, 10, 30, 100, or 500 ppm N-Methyl Perfluorooctanesulfonamido Ethanol (N-MeFOSE, T-6314). The mean amounts of test material consumed by the animals in these groups were 0.087 to 0.140 mg/kg/day; 0.816 to 1.325 mg/kg/day; 2.432 to 4.030 mg/kg/day; 7.768 to 13.192 mg/kg/day; and 35.168 to 62.612 mg/kg/day for males, respectively. Values for females were 0.096 to 0.147 mg/kg/day; 0.848 to 1.399 mg/kg/day; 2.612 to 4.124 mg/kg/day; 8.485 to 13.802; and 38.527 to 62.217, respectively. The overall test material consumption ranged from 0.105 to 44.590 mg/kg/day for the males and 0.111 to 45.050 mg/kg/day for the females.

Serum Perfluorooctane Sulfonic Acid Level (PFOS) Determination

Results of serum PFOS level determination will be reported separately by the Sponsor.

Clinical Pathology

Hematology, coagulation, clinical chemistry and urinalysis data are summarized in Tables 9 through 11; individual data are in Appendix 5. The Pathology Report contains a discussion of the data.

Dietary administration of N-MeFOSE at a dose level of 500 ppm for approximately 4 weeks was associated with several effects on clinical pathology test results including moderately lower red blood cell count, hemoglobin, and hematocrit; lower absolute eosinophil count; mildly higher urea nitrogen; moderately higher albumin and mildly to moderately lower globulin; markedly lower cholesterol; mildly to moderately higher total bilirubin, aspartate aminotransferase, and alanine aminotransferase; and moderately higher hepatic palmitoyl-CoA oxidase. Of uncertain relationship to administration of N-MeFOSE were lower urine pH for males fed 500 ppm and small differences for animals fed 100 ppm including higher urea nitrogen, albumin, and alanine aminotransferase (males only) and lower cholesterol. Of the differences for animals fed 100 ppm, only the difference for alanine aminotransferase was statistically significant.

Cell Proliferation Tissue Collection and Immunohistochemical Evaluation

Results of cell proliferation and immunohistochemical evaluation provided by Pathology Associates International are in Appendix 7.

Results of the cell proliferation evaluation will be provided by Pathology Associates International.

Liver PFOS Determination

Results of liver PFOS level determination will be reported separately by the Sponsor.

Anatomical Pathology

Terminal body weights, absolute organ weights, organ-to-body weight percentages, and organ-to-brain weight ratios are summarized in Tables 12 through 14; incidences of macroscopic and microscopic observations are summarized in Tables 15 and 16; the incidence of severity of microscopic observations is summarized in Table 17. Individual data are in Appendix 6. The Pathology Report contains a discussion of the data.

Mean absolute and relative (to brain and body) liver weights for all males and females given 100 and 500 ppm N-MeFOSE were significantly increased over control values, and these variations were regarded as treatment-related. All additional mean organ weights, which varied significantly from control values, were considered to be within the range or normal biologic variation, or were manifestations of slight weight loss associated with physiologic stress.

Treatment-related microscopic findings were restricted to the liver and consisted of minimal to severe centrilobular hepatocellular hypertrophy. Hypertrophic changes were slightly more severe in males; and at the high-dose level, liver cell swelling in several males was associated with acute necrosis. Necrosis was attributed to restricted blood supply (ischemia) from swollen liver cells rather than direct hepatocellular damage. Additional microscopic findings were consistent with common, spontaneous alterations in laboratory rats or changes associated with stress, nutritional deprivation, or tissue processing artifact.

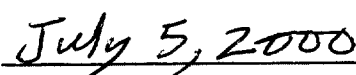
CONCLUSIONS

Based on the results of this study, dietary administration of N-MeFOSE, T-6314 to CrI:CD[®](SD) IGS BR rats for at least 4 weeks resulted in adverse effects at a dose level of 500 ppm. The no-observable-adverse-effect level was determined to be 100 ppm.

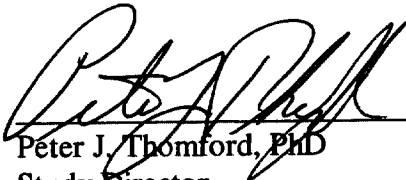
SIGNATURES



Nii van Bruce-Konuah
Study Coordinator
Covance Laboratories Inc.



Date



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



Date

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PATHOLOGY REPORT

SUMMARY

The purpose of this study was to assess the toxicity of the test material, N-Methyl Perfluorooctanesulfonamido Ethanol (N-MeFOSE, T-6314) when administered in the diet to rats for at least 4 weeks. The test material was administered at dose levels of 1, 10, 30, 100, and 500 ppm.

Dietary administration of N-MeFOSE at a dose level of 500 ppm for approximately 4 weeks was associated with several effects on clinical pathology test results including moderately lower red blood cell count, hemoglobin, and hematocrit; lower absolute eosinophil count; mildly higher urea nitrogen; moderately higher albumin and mildly to moderately lower globulin; markedly lower cholesterol; mildly to moderately higher total bilirubin, aspartate aminotransferase, and alanine aminotransferase; and moderately higher hepatic palmitoyl-CoA oxidase. Of uncertain relationship to administration of N-MeFOSE were lower urine pH for males fed 500 ppm and small differences for animals fed 100 ppm including higher urea nitrogen, albumin, and alanine aminotransferase (males only) and lower cholesterol. Of the differences for animals fed 100 ppm, only the difference for alanine aminotransferase was statistically significant.

Treatment-related microscopic findings were restricted to the liver and consisted of minimal to severe centrilobular hepatocellular hypertrophy. Hypertrophic changes were slightly more severe in males; and at the high-dose level, liver cell swelling in several males was associated with acute necrosis. Necrosis was attributed to restricted blood supply (ischemia) from swollen liver cells rather than direct hepatocellular damage. Additional microscopic findings were consistent with common, spontaneous alterations in laboratory rats or changes associated with stress, nutritional deprivation, or tissue processing artifact.

METHODS

Six groups of Crl:CD[®](SD) IGS BR rats (six animals/sex/group) were fed diets containing the test material at a dose level of 0 (control group; fed basal diet only), 1, 10, 30, 100, or 500 ppm.

Before the schedule sacrifice and necropsy during Week 5, blood and urine were collected for hematology, clinical chemistry, and urinalysis tests. At necropsy, macroscopic observations were recorded, organ weights were obtained, and tissues were placed in fixative as specified by the protocol. In addition, samples of liver were collected for evaluation of hepatocellular proliferation (by Pathology Associates International), determination of hepatic palmitoyl-CoA oxidase activity (by Covance), and analysis for PFOS and metabolites (by the Sponsor). The animal that died on test was also necropsied, but organ weights and liver samples for the special analyses were not obtained. Microscopic examinations were done on the following tissues from each animal: adrenals, brain, eyes, kidneys, liver, mesenteric lymph node, pancreas, spleen, testes, ovaries, and lesions.

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

RESULTS AND DISCUSSION

Mortality

Animal No. C94523 given 500 ppm N-MeFOSE died on Day 25. The remaining animals survived to the scheduled sacrifice.

Clinical Pathology

Individual values for hematology, clinical chemistry, urinalysis, and hepatic palmitoyl-CoA oxidase are in Appendix 5. Mean values for each group and the results of statistical comparisons are in Tables 9 through 11.

Week 5. There were several statistically significant or otherwise notable differences for clinical pathology results between control and treated animals; only one of the statistically significant differences affected animals fed less than 500 ppm. Differences considered to be effects of the test material were lower red blood cell count, hemoglobin, and hematocrit; lower absolute eosinophil count; higher urea nitrogen; higher albumin and lower globulin; lower cholesterol; higher total bilirubin, aspartate aminotransferase, and alanine aminotransferase; and higher hepatic palmitoyl-CoA oxidase. With the exception of lower globulin and higher aspartate aminotransferase for the females, these differences were statistically significant. Of uncertain relationship to administration of N-MeFOSE were lower urine pH for males fed 500 ppm and small differences for animals fed 100 ppm including higher urea nitrogen, albumin, and alanine aminotransferase (males only) and lower cholesterol. Of the differences for animals fed 100 ppm, only the minor difference for alanine aminotransferase was statistically significant. At dose levels below 100 ppm, clinical pathology results were unaffected by treatment.

The effects on the erythrocyte parameters (moderately decreased), eosinophil count (decreased), and globulin (mildly to moderately decreased) were consistent with animals in relatively poor health, failing to gain weight appropriately. Mildly higher urea nitrogen and moderately higher albumin were most consistent with mild dehydration and indicated the effects on other parameters (e.g., the erythrocyte parameters) might have been greater if the animals were normovolemic. The mild to moderate effects on alanine aminotransferase, aspartate aminotransferase, and total bilirubin were indicative of the hepatocellular degeneration. The effect on cholesterol was marked, but the mechanism for change was not apparent. Moderately higher hepatic palmitoyl-CoA oxidase was indicative of peroxisomal proliferation.

Anatomical Pathology

Individual anatomical pathology data are in Appendix 6. Individual absolute organ weights, organ-to-body weight percentages, and organ-to-brain weight ratios are also in Appendix 6. Mean values for absolute and relative organ weights for each group are in Tables 12 through 14. Incidence summaries of the macroscopic and microscopic observations are in Tables 15 and 16; the incidence of severity of selected microscopic observations is summarized in Table 17.

Unscheduled Death. Animal No. C94523 given 500 ppm N-MeFOSE died on Day 25. Microscopically, this animal exhibited severe hepatocellular hypertrophy and moderately-severe liver necrosis.

Terminal Sacrifice

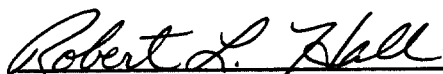
Organ Weights. Mean absolute and relative (to brain and body) liver weights for all males and females given 100 and 500 ppm N-MeFOSE were significantly increased over control values, and these variations were regarded as treatment-related. All additional mean organ weights, which varied significantly from control values, were considered to be within the range or normal biologic variation, or were manifestations of slight weight loss associated with physiologic stress.

Macroscopic Observations. Treatment-related, gross changes were restricted to the liver and stomach of males given 500 ppm N-MeFOSE. Animal Nos. C94521 and C94522 displayed enlarged livers, and in Animal No. C94522, hepatic enlargement was associated with discoloration (diffusely brown with light areas). Microscopically, liver changes were attributed to hepatocellular hypertrophy and necrosis. In addition to liver changes, dark or red mucosal areas were present in the glandular stomach of Animal Nos. C94521 and C94526 given 500 ppm N-MeFOSE and in the glandular stomach of one control male (Animal No. C94493). Gastric areas were compatible with early "stress" erosions or ulcers.

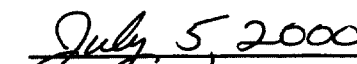
Microscopic Observations. Treatment-related microscopic changes were restricted to the liver of both sexes and consisted of hypertrophy (swelling) of liver cells in centrilobular regions of the hepatic lobules. Occasionally, hypertrophic liver cells were associated with acute hepatic necrosis. Hepatocellular hypertrophy was not observed in controls or in animals given 1 or 10 ppm N-MeFOSE. At higher dose levels, hypertrophic changes were slightly more prevalent and severe in males, and at dose levels of 30, 100, and 500 ppm N-MeFOSE, all males displayed minimal to slight, moderate to moderately-severe, and moderately-severe to severe liver cell hypertrophy, respectively. Liver cell hypertrophy was not observed in females given 30 ppm N-MeFOSE; however, at dose levels of 100 and 500 ppm N-MeFOSE, hepatocellular hypertrophy in females ranged from slight to moderate and from moderate to moderately-severe, respectively. Hepatocellular hypertrophy in both sexes was compatible with the proliferation of

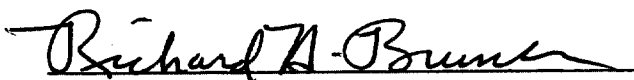
cytoplasmic smooth endoplasmic reticulum. Although at lower doses hypertrophy was restricted to centrilobular regions, at the high-dose level, hypertrophic hepatocytes often extended into panlobular regions.

In addition to hypertrophic changes, moderate liver cell necrosis was observed in two males given 500 ppm. Necrosis was attributed to local ischemia associated with liver cell swelling and occlusion of regional blood supplies. Minimal hepatic necrosis in one of six males given 10 or 100 ppm and in one of six females given 30 ppm was consistent with common hepatic alterations in laboratory rats. All other microscopic findings were consistent with common spontaneous alterations in laboratory rats, including changes related to stress, nutritional status or tissue processing artifact.

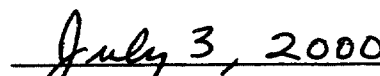


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(Clinical Pathology)


Date



Richard H. Bruner, DVM
Diplomate, ACVP
Pathology Associates International


Date

COMMENTS ON THE DATA

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

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

The summary table for clinical observations indicate the number of animals for which a condition was observed without regard to the specific nature, severity, reversibility, number of incidences/animal, or the length of time the condition persisted.

Only observations other than normal are indicated on the summary clinical observations tables.

Each animal with observations recorded as "Normal" throughout the study has the comment "Animal has no significant findings" indicated on the individual clinical observations tables.

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

The day of initiation of treatment is "Day 1, Week 1." Body weight data are entered at the start of a study week (e.g., a body weight recorded on Day 1 is considered a Week 1 body weight, a body weight recorded on Day 8 is considered a Week 2 body weight). Body weight change data are calculated from the first day of the study week to the first day of the following study week (e.g., Week 1 values are calculated from Day 1 through 7) and are indicated in the tables with the day being the first day of the following week (e.g., Week 1 values are indicated as "Day 8"). Weekly food consumption and test material consumption are calculated from the first day of the study week to the first day of the following study week (e.g., Week 1 values are calculated from Day 1 through 7).

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

COMMENTS ON THE DATA (Continued)

Diet test material concentrations provided by the data collection system (PTS) are calculated to the nearest 0.1 ppm. These values are used for calculation of test material consumption. For diet preparation purposes, the values are rounded to the appropriate accuracy for the balance used.

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

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

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

Differences in the population size (N) on the summary tables for clinical and anatomical pathology are explained on the individual data tables or the codes sheets.

The calculation for individual test material consumption is:

Test material consumption =

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

where: Daily Body Weight Gain =

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

and: Day Factor =

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

and: Food Consumption Interval =

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

On pages 4 and 7 of the protocol, the test material is indicated as MeFOS, T-6314 instead of MeFOSE, T-6314.

CODES, ABBREVIATIONS, AND UNITS

General Codes and Abbreviations

Codes for Clinical Pathology

Abbreviations and Units for Clinical Hematology

Abbreviations and Units for Clinical Chemistry

Abbreviations and Units for Clinical Urinalysis

Codes for Anatomical Pathology

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

General Codes and Abbreviations

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

Codes for Clinical Pathology

GENERAL CODES

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

Codes for Clinical Pathology (Continued)

RESULTS NOT INCLUDED IN STATISTICAL ANALYSES

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

CODES FOR BLOOD CELL MORPHOLOGY

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

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

URINE APPEARANCE

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

Codes for Clinical Pathology (Continued)

URINE CHEMISTRY MULTISTIX® STRIP

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

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

(1 mg = approximately 1 Ehrlich unit)

URINE SEDIMENT

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

Abbreviations and Units for Clinical Hematology

Test	Abbreviation (Units)
Red blood cell count	RBC (E6/UL or $\times 10^6/\mu\text{L}$)
Hemoglobin	HGB (G/DL)
Hematocrit	HCT (%)
Mean corpuscular volume	MCV (FL)
Mean corpuscular hemoglobin	MCH (PG)
Mean corpuscular hemoglobin concentration	MCHC (%)
Platelet count	PLT (E3/UL or $\times 10^3/\mu\text{L}$)
Mean platelet volume	MPV (FL)
Reticulocyte count	RETIC (%)
Absolute reticulocyte count	RETIC (E3/UL or $\times 10^3/\mu\text{L}$)
Heinz body count	HEINZ (%)
Erythrocyte sedimentation rate	ESR (MM/HR)
Prothrombin time	PT (SEC)
Activated partial thromboplastin time	PTT (SEC)
Thrombin time	TT (SEC)
Activated coagulation time	ACT (SEC)
Fibrinogen	FBR (MG/DL)
Fibrin/fibrinogen degradation products	FDP (UG/ML)
Platelet aggregation	
Collagen	PAGG/COL (%)
Adenosine diphosphate	PAGG/ADP (%)
Alpha 2-antiplasmin	ANTIPLAS (%)
Bleeding time	BLE TIME (SEC)
Methemoglobin	METHGB (%)
Plasma hemoglobin	PLA HGB (MG/DL)
Myeloid/erythroid ratio	M/E RATIO
Estimated myeloid/erythroid ratio	EST M/E RATIO
White blood cell count	WBC (E3/UL or $\times 10^3/\mu\text{L}$)
Differential blood cell count	
Nucleated red blood cell count	NRBC (/100 WBC)
Corrected white blood cell count	COR WBC (E3/UL or $\times 10^3/\mu\text{L}$)
Segmented neutrophil count	N-SEG (E3/UL or $\times 10^3/\mu\text{L}$) and %
Band neutrophil count	N-BAND (E3/UL or $\times 10^3/\mu\text{L}$) and %
Lymphocyte count	LYMPH (E3/UL or $\times 10^3/\mu\text{L}$) and %
Monocyte count	MONO (E3/UL or $\times 10^3/\mu\text{L}$) and %
Eosinophil count	EOSIN (E3/UL or $\times 10^3/\mu\text{L}$) and %
Basophil count	BASO (E3/UL or $\times 10^3/\mu\text{L}$) and %
Anisocytosis	ANISO (-,1,2,3)
Polychromasia	POLY (-,1,2,3)

Abbreviations and Units for Clinical Hematology (Continued)

Test	Abbreviation (Units)
Poikilocytosis	POIK (-,1,2,3)
Hypochromasia	HYPO (-,1,2,3)
Howell-Jolly bodies	HJBODY (-,1,2,3,4)
Basophilic stippling	BASTIP (-,1,2,3)
Toxic neutrophils	TOXNEUT (-,1,2,3,4)
Atypical lymphocytes	ATYPLYM (-,1,2,3,4)
Aqueous white blood cell count (right eye)	R EYE (WBC/UL)
Aqueous white blood cell count (left eye)	L EYE (WBC/UL)

Abbreviations and Units for Clinical Chemistry

Test	Abbreviation (Units)
Glucose	GLU (MG/DL)
Urea nitrogen	UN (MG/DL)
Urea	UREA (MG/DL)
Creatinine	CREAT (MG/DL)
Total protein	T PRO (G/DL)
Albumin	ALB (G/DL)
Globulin	GLOB (G/DL)
Albumin/globulin ratio	A/G RATIO
Total bilirubin	T BILI (MG/DL)
Direct bilirubin	D BILI (MG/DL)
Indirect bilirubin	I BILI (MG/DL)
Cholesterol	CHOL (MG/DL)
Triglyceride	TRIG (MG/DL)
Urea nitrogen/creatinine ratio	UN/CREAT (RATIO)
Total lipids	T LIPIDS (MG/DL)
Phospholipids	P LIPIDS (MG/DL)
High-density lipoprotein cholesterol	HDL (MG/DL)
Low-density lipoprotein cholesterol	LDL (MG/DL)
Uric acid	UA (MG/DL)
Aspartate aminotransferase	AST/SGOT (IU/L)
Alanine aminotransferase	ALT/SGPT (IU/L)
Alkaline phosphatase	ALK PHOS (IU/L)
Gamma glutamyl transferase	GGT (IU/L)
Sorbitol dehydrogenase	SDH (IU/L)
Lactate dehydrogenase	LDH (IU/L)
Creatine kinase	CK (IU/L)
Amylase	AMYLASE (IU/L)
Lipase	LIPASE (IU/L)
Palmitoyl CoA oxidase	PCOAO (IU/G)
Calcium	CA (MG/DL)
Ionized calcium	ION CA (MG/DL)
Inorganic phosphorus	I PHOS (MG/DL)
Sodium	NA (MMOL/L)
Potassium	K (MMOL/L)
Chloride	CL (MMOL/L)
Magnesium	MG (MEQ/L or MG/DL)
Zinc	ZN (MG/L or PPM)
Strontium	SR (MG/L or PPM)
Iron	FE (UG/DL)

Abbreviations and Units for Clinical Chemistry (Continued)

Test	Abbreviation (Units)
Excess iron	EX FE (UG/DL)
Total iron binding capacity	TIBC (UG/DL)
Unbound iron binding capacity	UIBC (UG/DL)
Percent iron saturation	FE %SAT (%)
Plasma cholinesterase	CHEP (MU/ML)
Red blood cell cholinesterase	CHER (MU/ML)
Brain cholinesterase	CHEB (MU/ML)
Caudate putamen	CAUD PUT (UMOL/G)
Hippocampus	HIPPOCAM (UMOL/G)
Frontal cortex	F CORTEX (UMOL/G)
Cerebellum	CEREBELL (UMOL/G)
Bicarbonate	BICARB (MMOL/L)
Serum hemoglobin	SER HGB (MG/DL)
Serum bile acids	SBA (UMOL/L or MG/DL)
Fecal bile acids	FBA (UG/ML)
Average fecal weight	FCC WGT (G)
Fecal bile acids (calculation)	FBA (MG/Day)
Osmolality	OSMO (MOSM/KG)
Electrophoresis	
Albumin	E ALB (G/DL)
Alpha-1-globulin	E A-1 (G/DL)
Alpha-2-globulin	E A-2 (G/DL)
Beta globulin	E BETA (G/DL)
Gamma globulin	E GAMMA (G/DL)
High-density lipoprotein	E-HDL (%)
Low-density lipoprotein	E-LDL (%)
Very-low-density lipoprotein	E-VLDL (%)
Insulin	INSULIN (UU/ML)
Adrenocorticotrophic hormone	ACTH (PG/ML)
Cortisol	CORTISOL (UG/ML)
Glucagon	GLUCAGON (PG/ML)
Triiodothyronine	T3 (NG/DL)
Thyroxine	T4 (UG/DL)
Creatine kinase isoenzymes	
BB	CK-BB (U/L)
MB	CK-MB (U/L)
MM	CK-MM (U/L)

Abbreviations and Units for Clinical Urinalysis

Test	Abbreviation (Units)
Urine volume	U VOL (ML)
8 hour urine volume	8 HR VOL (ML)
Specific gravity	SP GR
Urine osmolality	U OSMO (MOSM/KG)
Quantitative urinary/cerebrospinal fluid protein	QUAN PRO (MG/DL)
Urine protein excretion	PRO EXC (MG)
Urine chemistry Multistix® strip	
Urine pH	U PH
Urine protein	U PRO (MG/DL)
Urine glucose	U GLU
Urine ketones	U KET
Urine bilirubin	U BILI
Urine blood	U BLOOD
Urine urobilinogen	UROBILI
Urine reducing substances	U RE SUB
Microscopic examination of urine sediment	
Red blood cells per high-power field	RBC (PER HPF)
White blood cells per high-power field	WBC (PER HPF)
Epithelial cells per high-power field	EPITH (PER HPF)
Bacteria per high-power field	BACT (PER HPF)
Casts per low-power field	CASTS (PER LPF)
Crystals per low-power field	CRYSTALS (PER LPF1 or PER LPF2)
Urine appearance	URINE APP1 or URINE APP2
Comments	COMMENTS

Miscellaneous Codes and Abbreviations for Clinical Pathology

Fecal occult blood	Not applicable
Fecal parasite detection	Not applicable
Hemolytic potential	Not applicable
Osmolality	OSMO (MOSM/KG)

Codes for Anatomical Pathology

Code	Definition
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ANIMAL DEATH CODES

T	Terminal sacrifice
D	Found dead

MACROSCOPIC CODES

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

MICROSCOPIC CODES

Codes Prefacing Neoplastic Findings

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

Code	Definition
-------------	-------------------

Distribution of Findings

Focal
Diffuse
Multifocal

Codes for Anatomical Pathology (Continued)

Grades for Severity or Amount

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

Other Microscopic Codes

TL	Total
P	Finding present
-	Finding not present
MN	Mean

TISSUE ABBREVIATIONS

Abbreviation	Definition
LN	Lymph node
GL	Gland
STOMACH, GL	Glandular stomach
STOMACH, NONGL	Nonglandular
SALIV GL, MANDIB	Mandibular salivary gland
LN, ANT MES/PANC	Anterior mesenteric/pancreatic lymph node
AUDITORY SEB GL	Auditory sebaceous gland
LACRIMAL GLAND, EX	Exorbital lacrimal gland
HEMATO NEOPLASIA	Hematopoietic neoplasia
LACRIMAL GL, INT	Internal lacrimal gland
CAVITY, ABDOM	Abdominal cavity
SALIV GL, PAROTID	Parotid salivary gland
LN, TRACHEOBRON	Tracheobronchial lymph node
CATHETER EXIT	Catheterization site: exit site from the body
CATHETER ENTRANC	Catheterization site: entrance site into the vessel
CATHETER EXIT	Catheterization site: tissues (vascular or extravascular) associated with the catheter near its tip

Table 1

Results of Homogeneity Analyses (ppm)
Mixed 5/19/98

4-Week Range-Finding Dietary Toxicity Study with N-Methyl
Perfluorooctanesulfonamido Ethanol (N-MeFOSE, T-6314) in Rats

Sample Location	Replicate	T-6314 (ppm)				
		1	10	30	100	500
Top	1	1.17	10.3	26.7	92.6	481
	2	1.07	9.27	27.7	93.6	481
	3	1.12	9.20	29.9	97.0	481
	Mean	1.12 (112) ^a	9.59 (95.9)	28.1 (93.7)	94.4 (94.4)	481 (96.2)
Middle	1	1.36	9.48	30.6	95.4	511
	2	1.35	10.4	27.5	96.2	482
	3	1.25	9.71	29.3	95.9	522
	Mean	1.32 (132)	9.86 (98.6)	29.1 (97.0)	95.8 (95.8)	505 (101)
Bottom	1	1.89	10.6	26.7	93.3	477
	2	1.21	10.9	28.7	92.2	468
	3	1.19	9.13	30.0	97.8	466
	Mean	1.43 (143)	10.2 (102)	28.5 (95.0)	94.4 (94.4)	470 (94.0)

^a Each value in parenthesis is the percent of theoretical.

Table 1 (Continued)

Results of Homogeneity Analyses (ppm)
Mixed 6/11/98

4-Week Range-Finding Dietary Toxicity Study with N-Methyl
Perfluorooctanesulfonamido Ethanol (N-MeFOSE, T-6314) in Rats

Sample Location	Replicate	T-6314 (ppm)
		1
Top	1	1.10
	2	1.22
	3	1.23
	Mean	1.18 (118) ^a
Top ^b	1	1.23
	2	1.15
	3	1.10
	Mean	1.16 (116)
Middle	1	2.91
	2	1.40
	3	3.73
	Mean	2.68 (268)
Middle ^b	1	1.15
	2	1.11
	3	1.16
	Mean	1.14 (114)
Bottom	1	1.20
	2	1.45
	3	1.21
	Mean	1.29 (129)
Bottom ^b	1	1.01
	2	0.986
	3	1.06
	Mean	1.02 (102)

a Each value in parenthesis is the percent of theoretical.

b Reassay.

Table 2

Results of Stability Analyses (ppm)
Mixed 5/19/98

4-Week Range-Finding Dietary Toxicity Study with N-Methyl
Perfluorooctanesulfonamido Ethanol (N-MeFOSE, T-6314) in Rats

Storage Conditions	Replicate	T-6314 (ppm)	
		1	500
Initial	1	1.36	511
	2	1.35	482
	3	1.25	522
	Mean	1.32 (132) ^a	505 (101)
At least 19 days, room temperature,	1	-	457
	2	-	444
	Mean	-	451 (90.2)
At least 32 days, room temperature	1	-	420
	2	-	414
	Mean	-	417 (83.4)
8 weeks, frozen	1	-	494
	2	-	477
	Mean	-	486 (97.2)
62 days, room temperature	1	-	304
	2	-	402
	Mean	-	353 (70.6)

^a Each value in parentheses is the percent of theoretical.

Table 2 (Continued)

Results of Stability Analyses (ppm)
Mixed 6/30/98

4-Week Range-Finding Dietary Toxicity Study with N-Methyl
Perfluorooctanesulfonamido Ethanol (N-MeFOSE, T-6314) in Rats

Storage Conditions	Replicate	T-6314 (ppm)
		1
Initial	1	0.777
	2	0.674
	Mean	0.726 (72.6) ^a

^a Each value in parenthesis is the percent of theoretical.

Table 3

Results of Dose Preparation Analyses (ppm)

4-Week Range-Finding Dietary Toxicity Study with N-Methyl
Perfluorooctanesulfonamido Ethanol (N-MeFOSE, T-6314) in Rats

Week	Replicate	T-6314 (ppm)					
		0	1	10	30	100	500
1-4 ^a	1	b	2.91	10.0	25.6	90.1	485
	2	b	1.40	8.42	25.7	93.3	487
	3	-	3.73	-	-	-	-
	Mean	-	2.68 (268) ^c	9.21 (92.1)	25.7 (85.7)	91.7 (91.7)	486 (97.2)
1-4 ^{a,d}	1	-	1.15	-	-	-	-
	2	-	1.11	-	-	-	-
	3	-	1.16	-	-	-	-
	Mean	-	1.14 (114)	-	-	-	-
4	1	b	0.777	10.0	29.3	91.1	488
	2	b	0.674	9.27	25.3	89.9	482
	Mean	-	0.726 (72.6)	9.64 (96.4)	27.3 (91.0)	90.5 (90.5)	485 (97.0)

a Results for the 1 ppm levels were derived from the sample collected from the middle of the dose preparations for homogeneity analysis.

b Below the limit of quantitation (<0.5 ppm).

c Each value in parenthesis is the percent of theoretical.

d reassay.

Table 3 (Continued)

Results of Dose Preparation Analyses (ppm)

4-Week Range-Finding Dietary Toxicity Study with N-Methyl
Perfluorooctanesulfonamido Ethanol (N-MeFOSE, T-6314) in Rats

Week	Replicate	T-6314 (ppm)					
		0	1	10	30	100	500
4 ^d	1	-	0.615	-	23.2	-	-
	2	-	0.651	-	23.9	-	-
	Mean	-	0.633 (63.3) ^c	-	23.6 (78.7)	-	-

c Each value in parenthesis is the percent of theoretical.

d reassay.

Table 4
Summary of Clinical Observations

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 1

		NUMBER OF ANIMALS AFFECTED						
DAYS 1-32								
		SEX:	-----MALE-----					
CATEGORY		GROUP:	1	2	3	4	5	6
KEYWORD		DOSE:	0	1	10	30	100	500
QUALIFIER		NUMBER:	6	6	6	6	6	6

*** TOP OF LIST ***								
SKIN & PELAGE								
SORE/SCAB			0	0	1	0	0	0
DORSAL-THORACIC-LEFT			0	0	1	0	0	0
DORSAL-THORACIC-RIGHT								
*** END OF LIST ***								

000617

Table 5
Summary of Body Weight Data (g)

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 1

DAY	SEX: GROUP: DOSE: UNITS:	MALE					
		1 0 PPM	2 1 PPM	3 10 PPM	4 30 PPM	5 100 PPM	6 500 PPM
1	N	6	6	6	6	6	6
	MEAN	169	167	170	166	168	164
	S.D.	11.2	13.1	13.4	14.7	14.6	11.4
4	N	6	6	6	6	6	6
	MEAN	193	192	192	188	189	177
	S.D.	11.4	14.1	14.5	15.5	15.5	10.5
8	N	6	6	6	6	6	6
	MEAN	228	225	227	221	221	195*
	S.D.	13.3	15.8	17.5	20.7	16.3	8.3
11	N	6	6	6	6	6	6
	MEAN	251	248	252	245	242	211*
	S.D.	14.8	17.0	18.1	19.5	14.4	9.9
15	N	6	6	6	6	6	6
	MEAN	281	279	280	271	271	224*
	S.D.	15.7	17.6	19.6	21.4	14.7	6.8
18	N	6	6	6	6	6	6
	MEAN	300	297	299	286	286	236*
	S.D.	18.2	18.1	21.0	24.3	16.5	10.7
22	N	6	6	6	6	6	6
	MEAN	329	324	327	313	312	243*
	S.D.	20.8	22.3	23.9	28.3	14.5	16.0

Table 5
Summary of Body Weight Data (g)

PAGE: 2

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

DAY	SEX: GROUP: DOSE: UNITS:	MALE					
		1 0 PPM	2 1 PPM	3 10 PPM	4 30 PPM	5 100 PPM	6 500 PPM
25	N	6	6	6	6	6	5
	MEAN	347	342	343	328	327	251*
	S.D.	24.4	23.4	23.1	30.5	13.8	17.8
29	N	6	6	6	6	6	5
	MEAN	367	359	362	350	344	258*
	S.D.	29.3	24.6	25.9	32.8	15.7	15.7
32	N	6	6	6	6	6	5
	MEAN	352	347	348	334	329	238*
	S.D.	29.0	24.9	26.4	32.0	14.6	12.8

000619

Table 5

Summary of Body Weight Data (g)

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 3

DAY	SEX: GROUP: DOSE: UNITS:	FEMALE					
		1 0 PPM	2 1 PPM	3 10 PPM	4 30 PPM	5 100 PPM	6 500 PPM
1	N MEAN S.D.	6 137 11.7	6 132 7.5	6 135 16.0	6 135 11.2	6 132 12.0	6 135 12.4
4	N MEAN S.D.	6 152 12.5	6 150 8.9	6 151 20.5	6 147 13.3	6 147 13.7	6 138 8.7
8	N MEAN S.D.	6 172 12.4	6 167 8.6	6 168 19.5	6 166 13.5	6 162 15.1	6 148 8.7
11	N MEAN S.D.	6 183 11.9	6 175 6.7	6 178 22.3	6 177 14.3	6 173 15.7	6 155* 9.7
15	N MEAN S.D.	6 196 13.6	6 187 9.1	6 193 27.1	6 190 16.2	6 183 16.7	6 162* 12.0
18	N MEAN S.D.	6 201 14.8	6 197 9.1	6 199 26.1	6 195 16.8	6 189 16.8	6 164* 12.8
22	N MEAN S.D.	6 216 15.7	6 210 10.4	6 209 28.8	6 208 20.3	6 201 15.6	6 171* 13.3

000620

Table 5

Summary of Body Weight Data (g)

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 4

DAY	SEX: GROUP: DOSE: UNITS:	FEMALE					
		1 0 PPM	2 1 PPM	3 10 PPM	4 30 PPM	5 100 PPM	6 500 PPM
25	N MEAN S.D.	6 225 17.9	6 218 11.2	6 218 32.3	6 217 20.8	6 206 16.7	6 174* 14.3
29	N MEAN S.D.	6 237 18.5	6 230 12.7	6 226 34.4	6 227 22.2	6 215 16.1	6 178* 16.0
32	N MEAN S.D.	6 223 18.7	6 215 11.3	6 214 31.7	6 213 20.8	6 202 13.7	6 164* 13.8

000621

Table 6

Summary of Body Weight Change Data (g)

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 1

DAY	SEX: GROUP: DOSE: UNITS:	MALE					
		1 0 PPM	2 1 PPM	3 10 PPM	4 30 PPM	5 100 PPM	6 500 PPM
1-4	N MEAN S.D.	6 24 1.9	6 24 1.6	6 22 1.7	6 22 2.2	6 21 2.1	6 13* 5.0
4-8	N MEAN S.D.	6 34 3.5	6 33 3.2	6 35 4.5	6 33 5.9	6 32 2.5	6 19* 5.1
8-11	N MEAN S.D.	6 23 4.1	6 24 2.3	6 25 2.1	6 24 2.0	6 22 3.3	6 16* 3.1
11-15	N MEAN S.D.	6 31 5.4	6 30 4.0	6 28 5.1	6 26 3.0	6 29 2.4	6 13* 3.8
15-18	N MEAN S.D.	6 19 3.8	6 19 2.1	6 19 2.1	6 15 3.7	6 15 2.7	6 12* 5.5
18-22	N MEAN S.D.	6 29 4.8	6 26 5.9	6 29 3.7	6 27 4.9	6 26 3.0	6 8* 8.5
22-25	N MEAN S.D.	6 18 4.3	6 18 3.3	6 16 2.9	6 15 4.0	6 15 1.4	5 7* 1.9

000622

Table 6

Summary of Body Weight Change Data (g)

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 2

-----MALE-----							
DAY	SEX: GROUP: DOSE: UNITS:	1 0 PPM	2 1 PPM	3 10 PPM	4 30 PPM	5 100 PPM	6 500 PPM
25-29	N	6	6	6	6	6	5
	MEAN	20	18	19	22	16	7*
	S.D.	5.5	4.5	4.5	3.0	2.6	4.1
29-32	N	6	6	6	6	6	5
	MEAN	-15	-13	-14	-15	-15	-21*
	S.D.	2.2	3.1	2.5	2.7	3.1	3.8
1-32	N	6	6	6	6	6	5
	MEAN	183	179	178	168	161	75*
	S.D.	26.2	18.9	18.0	21.5	8.8	4.8

000623

Table 6

Summary of Body Weight Change Data (g)

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 3

DAY	SEX: GROUP: DOSE: UNITS:	FEMALE					
		1 0 PPM	2 1 PPM	3 10 PPM	4 30 PPM	5 100 PPM	6 500 PPM
1-4	N	6	6	6	6	6	6
	MEAN	15	18	16	13	15	3*
	S.D.	1.8	4.4	5.6	5.4	4.7	5.6
4-8	N	6	6	6	6	6	6
	MEAN	20	17	17	19	15*	10*
	S.D.	1.4	1.6	2.4	1.0	2.2	3.1
8-11	N	6	6	6	6	6	6
	MEAN	11	8	10	11	10	7
	S.D.	2.7	3.7	7.7	2.8	2.3	3.5
11-15	N	6	6	6	6	6	6
	MEAN	13	12	15	13	10	7*
	S.D.	3.5	3.2	8.8	2.4	1.5	3.5
15-18	N	6	6	6	6	6	6
	MEAN	5	10	6	6	6	2
	S.D.	2.7	1.3	7.3	1.4	2.1	4.5
18-22	N	6	6	6	6	6	6
	MEAN	15	14	10	13	12	7*
	S.D.	4.7	2.7	3.7	4.0	2.8	3.1
22-25	N	6	6	6	6	6	6
	MEAN	10	8	10	9	6	4
	S.D.	5.2	3.1	4.3	3.2	2.2	4.2

000624

Table 6

Summary of Body Weight Change Data (g)

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 4

SEX: -----		FEMALE-----					
GROUP:	1	2	3	4	5	6	
DOSE:	0	1	10	30	100	500	
UNITS:	PPM	PPM	PPM	PPM	PPM	PPM	

25-29	N	6	6	6	6	6	6
	MEAN	12	12	8	10	9	4*
	S.D.	3.3	4.1	3.0	2.0	3.3	3.2
29-32	N	6	6	6	6	6	6
	MEAN	-14	-15	-12	-15	-13	-14
	S.D.	3.7	2.0	6.8	2.2	2.9	3.1
1-32	N	6	6	6	6	6	6
	MEAN	86	83	79	78	70	29*
	S.D.	10.4	6.9	19.5	14.3	5.8	12.7

000625

Table 7

Summary of Food Consumption Data (g)

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 1

SEX: -----							
GROUP: -----							
DOSE: -----							
UNITS: -----							
DAY		1	2	3	4	5	6
		0	1	10	30	100	500
		PPM	PPM	PPM	PPM	PPM	PPM

1	N	6	6	6	6	6	6
	MEAN	76	76	72	71	71	64*
	S.D.	5.5	7.3	4.3	4.2	5.8	3.8
4	N	6	6	6	6	6	6
	MEAN	102	102	100	96	94	74*
	S.D.	6.3	8.4	6.5	7.9	7.6	6.9
8	N	6	6	6	6	6	6
	MEAN	80	80	80	77	73	60*
	S.D.	7.1	7.2	4.4	4.2	4.7	5.1
11	N	6	6	6	6	6	6
	MEAN	108	109	105	101	100	75*
	S.D.	9.3	9.0	8.0	6.8	7.7	4.9
15	N	6	6	6	6	6	6
	MEAN	81	82	80	73	74	59*
	S.D.	7.7	7.1	5.2	6.5	5.6	3.8
18	N	6	6	6	6	6	6
	MEAN	108	108	105	100	98	68*
	S.D.	8.9	10.9	6.7	8.4	6.1	7.1
22	N	6	6	6	6	6	5
	MEAN	88	89	87	80	78	54*
	S.D.	8.5	7.0	6.3	5.0	4.4	8.7

000626

Table 7

Summary of Food Consumption Data (g)

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 2

DAY	SEX: GROUP: DOSE: UNITS:	MALE					
		1 0 PPM	2 1 PPM	3 10 PPM	4 30 PPM	5 100 PPM	6 500 PPM
25	N	5	6	6	6	6	5
	MEAN	122	132	115	110	104	72*
	S.D.	9.6	28.6	9.5	10.6	8.8	4.2
1-25	N	5	6	6	6	6	5
	MEAN	777	777	742	707	692*	525*
	S.D.	46.2	59.5	47.5	50.6	47.9	23.0

000627

Table 7

Summary of Food Consumption Data (g)

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 3

DAY	SEX: GROUP: DOSE: UNITS:	FEMALE					
		1 0 PPM	2 1 PPM	3 10 PPM	4 30 PPM	5 100 PPM	6 500 PPM
1	N MEAN S.D.	6 61 7.1	6 62 5.2	6 60 10.2	6 58 6.9	6 58 3.8	6 51 6.2
4	N MEAN S.D.	6 77 8.4	6 78 2.8	6 74 10.9	6 76 6.9	6 72 3.4	6 53* 5.8
8	N MEAN S.D.	6 58 5.2	6 58 2.8	6 56 10.4	6 58 5.5	6 56 2.7	6 45* 2.9
11	N MEAN S.D.	6 80 4.7	6 79 5.9	6 77 15.8	6 76 7.6	6 72 4.0	5 55* 7.3
15	N MEAN S.D.	6 58 3.1	6 60 4.4	6 55 9.6	6 55 5.6	6 53 3.1	6 41* 8.1
18	N MEAN S.D.	6 77 6.4	6 79 5.9	6 69 12.0	6 75 10.7	6 73 6.5	6 52* 5.0
22	N MEAN S.D.	6 62 7.5	6 63 5.1	6 58 9.0	6 60 9.5	6 55 3.3	6 42* 5.2

000623

Table 7

Summary of Food Consumption Data (g)

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 4

DAY	SEX: GROUP: DOSE: UNITS:	FEMALE					
		1 0 PPM	2 1 PPM	3 10 PPM	4 30 PPM	5 100 PPM	6 500 PPM
25	N	5	6	6	5	5	6
	MEAN	82	86	80	75	73	54*
	S.D.	9.4	8.3	13.0	7.0	5.8	7.6
1-25	N	5	6	6	5	5	5
	MEAN	551	565	529	517	513	388*
	S.D.	44.0	34.0	82.4	45.0	20.8	39.7

000629

Table 8

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

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 1

DAY	SEX: GROUP: DOSE: UNITS:	MALE					FEMALE				
		2 1 PPM	3 10 PPM	4 30 PPM	5 100 PPM	6 500 PPM	2 1 PPM	3 10 PPM	4 30 PPM	5 100 PPM	6 500 PPM
1	N MEAN S.D.	6 0.140 0.005	6 1.325 0.044	6 4.030 0.210	6 13.192 0.692	6 62.612 4.144	6 0.147 0.008	6 1.399 0.098	6 4.124 0.320	6 13.802 0.732	6 62.217 8.174
4	N MEAN S.D.	6 0.123 0.006	6 1.191 0.048	6 3.524 0.132	6 11.506 0.605	6 49.583 5.932	6 0.123 0.004	6 1.164 0.093	6 3.625 0.145	6 11.716 0.618	6 46.216 6.426
8	N MEAN S.D.	6 0.113 0.005	6 1.117 0.047	6 3.311 0.258	6 10.505 0.601	6 49.261 4.268	6 0.113 0.003	6 1.074 0.128	6 3.393 0.198	6 11.133 0.662	6 49.206 1.743
11	N MEAN S.D.	6 0.103 0.005	6 0.984 0.054	6 2.951 0.137	6 9.711 0.538	6 43.192 3.772	6 0.110 0.005	6 1.027 0.116	6 3.105 0.143	6 10.115 0.449	5 43.613 3.405
15	N MEAN S.D.	6 0.095 0.005	6 0.921 0.030	6 2.617 0.094	6 8.797 0.412	6 42.446 2.463	6 0.104 0.004	6 0.928 0.072	6 2.872 0.128	6 9.609 0.678	6 41.810 6.302
18	N MEAN S.D.	6 0.087 0.007	6 0.837 0.027	6 2.500 0.067	6 8.227 0.423	6 35.210 2.563	6 0.097 0.006	6 0.848 0.078	6 2.764 0.208	6 9.517 1.572	6 38.527 2.059
22	N MEAN S.D.	6 0.089 0.004	6 0.863 0.041	6 2.501 0.118	6 8.150 0.234	5 36.296 3.715	6 0.098 0.005	6 0.910 0.061	6 2.790 0.221	6 9.089 0.957	6 40.035 2.173

000630

Table 8

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

PAGE: 2

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

DAY	SEX: GROUP: DOSE: UNITS:	MALE					FEMALE				
		2	3	4	5	6	2	3	4	5	6
		1	10	30	100	500	1	10	30	100	500
		PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
25	N	6	6	6	6	5	6	6	5	5	6
	MEAN	0.094	0.816	2.432	7.768	35.168	0.096	0.905	2.612	8.485	38.539
	S.D.	0.022	0.020	0.146	0.406	1.938	0.005	0.044	0.138	0.647	3.754
1-25	MEAN	0.105	1.007	2.983	9.732	44.590	0.111	1.032	3.172	10.475	45.050

Table 9
Summary of Clinical Hematology Data

Males Week 5

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

DOSE ppm MeFOS		RBC X10 ⁶ /μL	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT X10 ³ /μL
0	MEAN	7.29	15.0	44.6	61.2	20.6	33.6	988
	S.D.	.448	.58	1.89	1.82	.72	.29	133.1
	N	6	6	6	6	6	6	6
1	MEAN	7.34	14.6	44.1	60.0	20.0	33.4	1058
	S.D.	.253	.58	2.12	2.26	.84	.68	157.9
	N	6	6	6	6	6	6	6
10	MEAN	7.27	14.9	44.0	60.6	20.5	33.8	1044
	S.D.	.209	.43	1.27	1.76	.70	.20	110.7
	N	6	6	6	6	6	6	6
30	MEAN	7.40	15.0	44.5	60.2	20.2	33.7	1057
	S.D.	.156	.44	1.07	1.16	.43	.47	177.7
	N	6	6	6	6	6	6	6
100	MEAN	7.00	14.6	43.1	61.6	20.8	33.8	1114
	S.D.	.719	1.12	3.46	1.73	.75	.39	148.3
	N	6	6	6	6	6	6	6
500	MEAN	5.90 *	12.3 *	36.0 *	61.1	20.9	34.1	967
	S.D.	.623	1.00	3.11	2.07	1.10	.67	183.6
	N	5	5	5	5	5	5	5

Covance 6329-224
3M T-6314.2

Table 9
Summary of Clinical Hematology Data
Males Week 5
4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

DOSE ppm	MeFOS	WBC X10 ³ /μL	N-SEG X10 ³ /μL	LYMPH X10 ³ /μL	MONO X10 ³ /μL	EOSIN X10 ³ /μL	BASO X10 ³ /μL	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
-----		-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
0	MEAN S.D. N	11.6 3.14 6	1.0 .43 6	9.4 2.46 6	.9 .44 6	.2 .17 6	.0 .04 6	9 2.5 6	82 4.6 6	8 3.6 6	1 1.0 6	0 .4 6
1	MEAN S.D. N	11.7 3.43 6	1.4 .74 6	9.5 2.59 6	.8 .40 6	.1 .04 6	.0 .04 6	12 3.6 6	81 4.4 6	6 1.6 6	1 .4 6	0 .0 6
10	MEAN S.D. N	13.6 4.76 6	1.4 .57 6	11.2 4.57 6	.8 .22 6	.2 .10 6	.0 .04 6	12 5.1 6	80 9.9 6	7 4.5 6	1 .4 6	0 .4 6
30	MEAN S.D. N	12.3 1.13 6	.8 .15 6	10.6 1.21 6	.8 .33 6	.1 .05 6	.0 .00 6	6 1.2 6	86 3.5 6	6 2.9 6	1 .0 6	0 .0 6
100	MEAN S.D. N	13.0 3.24 6	1.1 .27 6	11.1 2.72 6	.6 .48 6	.1 .00 6	.0 .04 6	9 2.2 6	86 3.4 6	4 2.3 6	1 .0 6	0 .0 6
500	MEAN S.D. N	10.4 1.72 5	1.3 .82 5	8.4 1.40 5	.6 .27 5	.0 * .04 5	.0 .04 5	12 7.2 5	82 8.9 5	5 2.1 5	0 .4 5	0 .4 5

Covance 6329-224
3M T-6314.2

Table 9
Summary of Clinical Hematology Data
Females Week 5
4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

DOSE ppm MeFOS		RBC X10 ⁶ /μL	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT X10 ³ /μL
0	MEAN	7.12	14.8	43.5	61.2	20.8	34.0	1012
	S.D.	.613	.65	2.12	2.78	1.05	.34	90.3
	N	6	6	6	6	6	6	6
1	MEAN	7.41	15.3	45.0	60.8	20.7	34.0	1005
	S.D.	.316	.51	1.34	1.29	.35	.35	133.7
	N	6	6	6	6	6	6	6
10	MEAN	7.62	15.6	46.4	61.0	20.5	33.6	976
	S.D.	.466	.95	2.34	1.87	.46	.44	131.4
	N	6	6	6	6	6	6	6
30	MEAN	7.19	14.8	43.4	60.4	20.6	34.2	1027
	S.D.	.272	.50	1.82	.67	.20	.43	72.2
	N	6	6	6	6	6	6	6
100	MEAN	7.40	15.0	44.1	59.6	20.2	33.9	1069
	S.D.	.386	.58	1.61	1.46	.45	.34	123.8
	N	6	6	6	6	6	6	6
500	MEAN	6.34 *	12.6 *	36.8 *	58.1	20.0	34.4	1042
	S.D.	.381	1.08	3.47	3.37	1.00	.58	160.5
	N	6	6	6	6	6	6	6

Covance 6329-224
3M T-6314.2

Table 9
Summary of Clinical Hematology Data
Females Week 5
4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

DOSE ppm	MeFOS	WBC X10 ³ /μL	N-SEG X10 ³ /μL	LYMPH X10 ³ /μL	MONO X10 ³ /μL	EOSIN X10 ³ /μL	BASO X10 ³ /μL	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
0	MEAN S.D. N	7.1 3.40 6	.6 .33 6	5.8 2.77 6	.7 .72 6	.1 .04 6	.0 .04 6	10 6.1 6	82 5.7 6	8 5.8 6	1 .0 6	0 .0 6
1	MEAN S.D. N	8.0 3.87 6	.6 .32 6	7.0 3.68 6	.4 .13 6	.1 .08 6	.0 .00 6	8 4.6 6	86 5.6 6	5 2.0 6	1 .8 6	0 .0 6
10	MEAN S.D. N	8.0 2.94 6	.5 .33 6	6.8 2.34 6	.6 .38 6	.1 .04 6	.0 .00 6	7 2.2 6	85 3.4 6	7 3.0 6	1 .0 6	0 .0 6
30	MEAN S.D. N	11.3 3.55 6	.9 .50 6	9.8 3.18 6	.5 .25 6	.1 .00 6	.0 .00 6	8 4.1 6	87 5.2 6	4 1.5 6	1 .0 6	0 .0 6
100	MEAN S.D. N	11.6 2.96 6	.6 .08 6	10.4 2.99 6	.5 .34 6	.1 .05 6	.0 .00 6	5 1.0 6	89 * 4.1 6	5 3.4 6	1 .4 6	0 .0 6
500	MEAN S.D. N	11.4 3.95 6	.6 .28 6	10.5 3.85 6	.4 .16 6	.0 * .00 6	.0 .04 6	5 2.9 6	91 * 3.3 6	3 1.3 6	0 .0 6	0 .0 6

Covance 6329-224
3M T-6314.2

Table 10
Summary of Clinical Chemistry Data

Males Week 5

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

DOSE ppm MeFOS		GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
0	MEAN	155	14	.6	6.1	4.5	1.6	.2	47
	S.D.	39.1	1.5	.15	.29	.26	.10	.10	9.7
	N	6	6	6	6	6	6	6	6
1	MEAN	135	13	.6	6.3	4.6	1.7	.1	55
	S.D.	16.2	2.5	.21	.35	.26	.12	.10	13.2
	N	6	6	6	6	6	6	6	6
10	MEAN	138	12	.6	6.1	4.5	1.6	.2	44
	S.D.	32.5	1.8	.20	.18	.10	.18	.16	12.6
	N	6	6	6	6	6	6	6	6
30	MEAN	141	12	.6	6.2	4.5	1.6	.2	40
	S.D.	39.7	1.4	.14	.42	.22	.23	.16	11.0
	N	6	6	6	6	6	6	6	6
100	MEAN	116	16	.6	6.2	4.8	1.5	.1	35
	S.D.	39.8	1.6	.10	.48	.29	.22	.08	18.7
	N	6	6	6	6	6	6	6	6
500	MEAN	107	22 *	.6	6.0	5.1 *	.9 *	.7 *	1 *
	S.D.	17.1	2.7	.26	.34	.36	.17	.28	1.6
	N	5	5	5	5	5	5	5	5

000636

Table 10
Summary of Clinical Chemistry Data

Males Week 5

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

DOSE ppm	MeFOS	AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L	PCOAO IU/G
0	MEAN S.D. N	96 5.0 6	34 3.0 6	0 .0 6	10.9 .23 6	12.1 .84 6	148 2.6 6	7.1 1.29 6	102 1.2 6	9 1.8 6
1	MEAN S.D. N	117 26.6 6	32 10.3 6	0 .5 6	11.2 .19 6	12.1 1.54 6	148 1.6 6	7.5 1.75 6	101 1.4 6	9 2.5 6
10	MEAN S.D. N	109 24.7 6	35 5.2 6	0 .0 6	11.3 .44 6	11.8 1.92 6	148 2.9 6	7.5 1.93 6	102 .8 6	8 1.9 6
30	MEAN S.D. N	93 10.4 6	36 6.4 6	0 .5 6	11.2 .44 6	11.0 .85 6	149 .8 6	6.6 .56 6	102 1.9 6	8 2.4 6
100	MEAN S.D. N	122 20.3 6	48 * 11.7 6	0 .0 6	10.8 .62 6	11.3 .84 6	148 1.0 6	7.2 .88 6	101 2.3 6	6 .8 6
500	MEAN S.D. N	165 * 87.3 5	222 * 204.3 5	0 .0 5	10.4 .46 5	10.8 1.22 5	145 2.2 5	8.2 .42 5	101 1.7 5	32 * 4.3 5

000637

Covance 6329-224
3M T-6314.2

Table 10
Summary of Clinical Chemistry Data

Females Week 5

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

DOSE ppm MeFOS		GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
0	MEAN	103	14	.8	6.4	5.0	1.4	.1	45
	S.D.	11.3	1.0	.23	.75	.56	.25	.10	11.5
	N	6	6	6	6	6	6	6	6
1	MEAN	112	15	.6	6.5	5.1	1.4	.2	55
	S.D.	24.3	1.7	.23	.36	.26	.27	.10	11.1
	N	6	6	6	6	6	6	6	6
10	MEAN	99	14	.6	6.4	5.1	1.3	.2	46
	S.D.	22.2	3.0	.10	.37	.34	.10	.08	10.7
	N	6	6	6	6	6	6	6	6
30	MEAN	131	15	.7	6.4	5.1	1.3	.1	54
	S.D.	28.4	3.8	.24	.79	.67	.13	.15	9.5
	N	6	6	6	6	6	6	6	6
100	MEAN	112	17	.7	6.7	5.5	1.2	.2	38
	S.D.	33.9	5.8	.15	.52	.34	.21	.08	17.1
	N	6	6	6	6	6	6	6	6
500	MEAN	100	26 *	.6	7.0	5.9 *	1.1	.5 *	7 *
	S.D.	20.6	3.9	.18	.48	.29	.20	.28	5.9
	N	6	6	6	6	6	6	6	6

0000638

Table 10
Summary of Clinical Chemistry Data
Females Week 5

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

DOSE ppm MeFOS		AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L	PCOAO IU/G
0	MEAN	104	27	0	10.9	11.6	147	7.9	103	5
	S.D.	14.0	2.7	.8	.66	.95	.9	1.34	1.8	1.6
	N	6	6	6	6	6	6	6	6	6
1	MEAN	107	30	0	11.4	12.4	147	8.2	104	6
	S.D.	15.1	1.2	.8	.47	1.63	2.5	1.76	1.0	1.8
	N	6	6	6	6	6	6	6	6	6
10	MEAN	125	27	0	11.1	11.9	146	8.9	103	7
	S.D.	36.5	6.1	.0	.59	1.20	1.4	.83	1.4	1.4
	N	6	6	6	6	6	6	6	6	6
30	MEAN	100	28	1	11.1	10.5	146	7.0	102	6
	S.D.	22.0	7.4	1.5	.61	.84	2.7	1.06	1.0	2.9
	N	6	6	6	6	6	6	6	6	6
100	MEAN	90	29	0	11.4	11.5	147	7.6	103	8
	S.D.	9.1	4.8	.0	.54	.99	1.3	.49	1.0	3.0
	N	6	6	6	6	6	6	6	6	6
500	MEAN	118	60 *	0	10.9	10.6	148	6.8	102	30 *
	S.D.	21.4	16.4	.0	.50	.65	1.8	.77	3.0	12.0
	N	6	6	6	6	6	6	6	6	6

000639

Covance 6329-224
3M T-6314.2

Table 11
Summary of Clinical Urinalysis Data
Males Week 5
4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

DOSE ppm MeFOS	U VOL ML	SP GR	U PH
-----	-----	-----	-----
0			
MEAN	18.5	1.017	7.4
S.D.	9.86	.0096	.20
N	6	6	6
1			
MEAN	27.7	1.015	7.2
S.D.	22.39	.0112	.27
N	6	6	6
10			
MEAN	28.4	1.010	7.2
S.D.	13.81	.0027	.26
N	6	6	6
30			
MEAN	26.0	1.013	6.9
S.D.	14.80	.0069	.20
N	6	6	6
100			
MEAN	15.9	1.023	6.9
S.D.	17.26	.0107	.58
N	6	6	6
500			
MEAN	20.4	1.019	6.8 *
S.D.	15.52	.0126	.27
N	5	5	5

000640

Table 11
Summary of Clinical Urinalysis Data
Females Week 5
4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

DOSE ppm MeFOS	U VOL ML	SP GR	U PH
-----	-----	-----	-----
0			
MEAN	30.6	1.010	7.1
S.D.	20.36	.0077	.38
N	6	6	6
1			
MEAN	25.7	1.008	7.0
S.D.	17.62	.0044	.32
N	6	6	6
10			
MEAN	27.1	1.008	6.9
S.D.	16.49	.0064	.20
N	6	6	6
30			
MEAN	15.0	1.015	7.1
S.D.	9.40	.0097	.38
N	6	6	6
100			
MEAN	29.0	1.008	7.0
S.D.	17.62	.0056	.32
N	6	6	6
500			
MEAN	14.8	1.011	7.0
S.D.	12.98	.0046	.32
N	6	6	6

TABLE 12
Summary of Absolute Organ Weight Data (g)
Terminal Sacrifice

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 1

TABLE INCLUDES:

SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=T; SUBSET=ALL

SEX:	MALE						FEMALE					
	1	2	3	4	5	6	1	2	3	4	5	6
GROUP:	---	---	---	---	---	---	---	---	---	---	---	---
NUMBER:	6	6	6	6	6	5	6	6	6	6	6	6
TERMINAL BODY WEIGHT (g)												
# IN GRP :	6	6	6	6	6	5	6	6	6	6	6	6
M E A N :	341.8	337.9	337.2	323.1	320.7	227.8*	213.3	205.9	203.7	204.3	193.6	156.6*
STAND DEV:	29.6	24.7	25.3	31.3	15.0	11.4	17.8	12.0	32.0	21.1	13.9	13.2
AD - ADRENAL												
# IN GRP :	6	6	6	6	6	5	6	6	6	6	6	6
M E A N :	0.0577	0.0571	0.0608	0.0520	0.0547	0.0569	0.0731	0.0687	0.0749	0.0639	0.0661	0.0464*
STAND DEV:	0.0106	0.0063	0.0088	0.0086	0.0094	0.0112	0.0148	0.0071	0.0229	0.0087	0.0068	0.0114
BR - BRAIN												
# IN GRP :	6	6	6	6	6	5	6	6	6	6	6	6
M E A N :	2.0588	2.0352	2.0175	2.1275	2.0927	2.0009	1.9550	1.9833	1.9873	2.0235	2.0041	1.9920
STAND DEV:	0.1028	0.0854	0.1200	0.1430	0.0928	0.1027	0.0500	0.1088	0.0735	0.1071	0.0906	0.1159
EP - EPIDIDYMIDES												
# IN GRP :	6	6	6	6	6	5	0	0	0	0	0	0
M E A N :	0.9214	0.8976	0.9760	0.8663	0.8447	0.7317*						
STAND DEV:	0.0821	0.0555	0.0886	0.0785	0.1274	0.0679						

TABLE 12
Summary of Absolute Organ Weight Data (g)
Terminal Sacrifice

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 2

TABLE INCLUDES:

SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=T; SUBSET=ALL

SEX:	MALE						FEMALE					
	1	2	3	4	5	6	1	2	3	4	5	6
GROUP:	---	---	---	---	---	---	---	---	---	---	---	---
NUMBER:	6	6	6	6	6	5	6	6	6	6	6	6
KD - KIDNEY												
# IN GRP :	6	6	6	6	6	5	6	6	6	6	6	6
M E A N :	3.3984	3.1034	3.3466	3.2329	3.2922	2.5925*	2.0935	1.9685	2.2523	2.0578	2.1936	1.7253
STAND DEV:	0.3295	0.3872	0.2597	0.3284	0.2223	0.2256	0.2961	0.1666	0.3837	0.1457	0.2491	0.1934
LI - LIVER												
# IN GRP :	6	6	6	6	6	5	6	6	6	6	6	6
M E A N :	12.9118	12.4546	12.7132	12.3245	16.7113*	19.6094*	7.7513	7.5539	7.9991	8.3214	9.6111*	12.3797*
STAND DEV:	1.7284	1.0193	0.8627	1.7057	1.7399	1.0341	0.7450	0.6425	1.2215	1.2523	0.7628	1.7764
OV - OVARY												
# IN GRP :	0	0	0	0	0	0	6	6	6	6	6	6
M E A N :							0.1272	0.1311	0.1376	0.1185	0.1163	0.0763*
STAND DEV:							0.0243	0.0128	0.0200	0.0273	0.0155	0.0181
SP - SPLEEN												
# IN GRP :	6	6	6	6	6	5	6	6	6	6	6	6
M E A N :	0.8049	0.7518	0.7777	0.7072	0.6731	0.5820*	0.5080	0.5032	0.4927	0.4929	0.4743	0.4265
STAND DEV:	0.0654	0.0904	0.0914	0.1085	0.1114	0.0775	0.1069	0.0719	0.1181	0.0710	0.0810	0.0686

000643

TABLE 12
Summary of Absolute Organ Weight Data (g)
Terminal Sacrifice

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 3

TABLE INCLUDES:

SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=T; SUBSET=ALL

SEX:	MALE						FEMALE					
	1	2	3	4	5	6	1	2	3	4	5	6
GROUP:	---	---	---	---	---	---	---	---	---	---	---	---
NUMBER:	6	6	6	6	6	5	6	6	6	6	6	6
TE - TESTIS												
# IN GRP :	6	6	6	6	6	5	0	0	0	0	0	0
M E A N :	3.0558	2.9480	3.0071	2.9256	2.9717	2.9968						
STAND DEV:	0.2644	0.1952	0.2583	0.2156	0.1282	0.2885						
TH - THYMUS												
# IN GRP :	6	6	6	6	6	5	6	6	6	6	6	6
M E A N :	0.6039	0.6833	0.6890	0.5854	0.6600	0.4490	0.5455	0.5229	0.5321	0.5484	0.5062	0.4587
STAND DEV:	0.1774	0.1692	0.1418	0.0721	0.1124	0.1074	0.0592	0.1124	0.0918	0.0854	0.1873	0.1086
TT - THYROID/PARATHYR												
# IN GRP :	6	6	6	6	6	5	6	6	5	6	6	6
M E A N :	0.0206	0.0234	0.0226	0.0206	0.0219	0.0197	0.0159	0.0181	0.0193	0.0184	0.0181	0.0137
STAND DEV:	0.0049	0.0050	0.0033	0.0068	0.0039	0.0061	0.0019	0.0032	0.0043	0.0063	0.0049	0.0031

000614

TABLE 13
Summary of Organ-to-Body Weight Percentages
Terminal Sacrifice

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 1

TABLE INCLUDES:
SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=T; SUBSET=ALL

SEX:	MALE						FEMALE					
	1	2	3	4	5	6	1	2	3	4	5	6
GROUP:	---	---	---	---	---	---	---	---	---	---	---	---
NUMBER:	6	6	6	6	6	5	6	6	6	6	6	6
AD - ADRENAL												
# IN GRP :	6	6	6	6	6	5	6	6	6	6	6	6
MEAN :	0.0171	0.0170	0.0181	0.0162	0.0170	0.0249*	0.0343	0.0333	0.0363	0.0312	0.0342	0.0295
STAND DEV:	0.0044	0.0027	0.0031	0.0030	0.0023	0.0042	0.0063	0.0030	0.0075	0.0022	0.0032	0.0062
BR - BRAIN												
# IN GRP :	6	6	6	6	6	5	6	6	6	6	6	6
MEAN :	0.6058	0.6049	0.6006	0.6626	0.6536	0.8801*	0.9213	0.9648	0.9925	0.9962	1.0372*	1.2757*
STAND DEV:	0.0562	0.0496	0.0511	0.0650	0.0404	0.0642	0.0679	0.0592	0.1298	0.0758	0.0438	0.0644
EP - EPIDIDYMIDES												
# IN GRP :	6	6	6	6	6	5	0	0	0	0	0	0
MEAN :	0.2708	0.2672	0.2901	0.2688	0.2629	0.3208*						
STAND DEV:	0.0282	0.0292	0.0251	0.0210	0.0316	0.0193						
KD - KIDNEY												
# IN GRP :	6	6	6	6	6	5	6	6	6	6	6	6
MEAN :	0.9957	0.9210	0.9927	1.0030	1.0264	1.1372*	0.9798	0.9565	1.1053*	1.0105	1.1315*	1.1021*
STAND DEV:	0.0730	0.1214	0.0327	0.0801	0.0465	0.0646	0.0858	0.0640	0.0733	0.0442	0.0744	0.0843

000645

TABLE 13

Summary of Organ-to-Body Weight Percentages

Terminal Sacrifice

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 2

TABLE INCLUDES:
SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=T; SUBSET=ALL

SEX:	-MALE-						-FEMALE-					
	1	2	3	4	5	6	1	2	3	4	5	6
GROUP:	---	---	---	---	---	---	---	---	---	---	---	---
NUMBER:	6	6	6	6	6	5	6	6	6	6	6	6
LI - LIVER												
# IN GRP :	6	6	6	6	6	5	6	6	6	6	6	6
M E A N :	3.7673	3.6892	3.7731	3.8050	5.2193*	8.6147*	3.6336	3.6701	3.9342	4.0598*	4.9671*	7.8932*
STAND DEV:	0.2855	0.2180	0.1192	0.2642	0.5890	0.4240	0.1378	0.2643	0.2503	0.2523	0.2573	0.7492
OV - OVARY												
# IN GRP :	0	0	0	0	0	0	6	6	6	6	6	6
M E A N :							0.0595	0.0638	0.0681	0.0580	0.0603	0.0485
STAND DEV:							0.0086	0.0070	0.0093	0.0122	0.0092	0.0097
SP - SPLEEN												
# IN GRP :	6	6	6	6	6	5	6	6	6	6	6	6
M E A N :	0.2374	0.2226	0.2311	0.2193	0.2110	0.2566	0.2377	0.2446	0.2398	0.2407	0.2447	0.2727
STAND DEV:	0.0317	0.0242	0.0261	0.0297	0.0412	0.0414	0.0411	0.0344	0.0285	0.0167	0.0353	0.0400
TE - TESTIS												
# IN GRP :	6	6	6	6	6	5	0	0	0	0	0	0
M E A N :	0.8974	0.8749	0.8978	0.9084	0.9280	1.3135*						
STAND DEV:	0.0834	0.0693	0.1212	0.0596	0.0567	0.0803						

000646

TABLE 13
Summary of Organ-to-Body Weight Percentages
Terminal Sacrifice

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 3

TABLE INCLUDES:
SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=T; SUBSET=ALL

SEX:	-----MALE-----						-----FEMALE-----					
	---1---	---2---	---3---	---4---	---5---	---6---	---1---	---2---	---3---	---4---	---5---	---6---
GROUP:	6	6	6	6	6	5	6	6	6	6	6	6
NUMBER:	6	6	6	6	6	5	6	6	6	6	6	6
TH - THYMUS												
# IN GRP :	6	6	6	6	6	5	6	6	6	6	6	6
M E A N :	0.1768	0.2015	0.2027	0.1820	0.2068	0.1970	0.2566	0.2553	0.2628	0.2695	0.2598	0.2915
STAND DEV:	0.0498	0.0425	0.0277	0.0234	0.0401	0.0465	0.0280	0.0627	0.0391	0.0417	0.0915	0.0530
TT - THYROID/PARATHYR												
# IN GRP :	6	6	6	6	6	5	6	6	5	6	6	6
M E A N :	0.0060	0.0070	0.0067	0.0063	0.0068	0.0087	0.0075	0.0088	0.0098	0.0090	0.0093	0.0088
STAND DEV:	0.0011	0.0016	0.0009	0.0017	0.0011	0.0027	0.0013	0.0015	0.0024	0.0028	0.0021	0.0020

TABLE 14
Summary of Organ-to-Brain Weight Ratios
Terminal Sacrifice

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 1

TABLE INCLUDES:

SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=T; SUBSET=ALL

SEX:	-MALE-						-FEMALE-					
	1	2	3	4	5	6	1	2	3	4	5	6
GROUP:	---	---	---	---	---	---	---	---	---	---	---	---
NUMBER:	6	6	6	6	6	5	6	6	6	6	6	6
AD - ADRENAL												
# IN GRP :	6	6	6	6	6	5	6	6	6	6	6	6
M E A N :	0.0282	0.0281	0.0303	0.0243	0.0263	0.0285	0.0375	0.0348	0.0375	0.0316	0.0330	0.0232*
STAND DEV:	0.0056	0.0035	0.0052	0.0028	0.0055	0.0060	0.0081	0.0049	0.0109	0.0037	0.0029	0.0055
BR - BRAIN												
# IN GRP :	6	6	6	6	6	5	6	6	6	6	6	6
M E A N :	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
STAND DEV:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
EP - EPIDIDYMIDES												
# IN GRP :	6	6	6	6	6	5	0	0	0	0	0	0
M E A N :	0.4479	0.4419	0.4852	0.4082	0.4057	0.3658*						
STAND DEV:	0.0374	0.0357	0.0526	0.0411	0.0763	0.0305						
KD - KIDNEY												
# IN GRP :	6	6	6	6	6	5	6	6	6	6	6	6
M E A N :	1.6539	1.5214	1.6641	1.5184	1.5770	1.2978*	1.0710	0.9951	1.1299	1.0175	1.0924	0.8659*
STAND DEV:	0.1800	0.1402	0.1680	0.0923	0.1476	0.1248	0.1534	0.0990	0.1651	0.0597	0.0845	0.0839

TABLE 14
Summary of Organ-to-Brain Weight Ratios
Terminal Sacrifice

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 2

TABLE INCLUDES:
SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=T; SUBSET=ALL

SEX:	MALE						FEMALE					
	1	2	3	4	5	6	1	2	3	4	5	6
GROUP:	---	---	---	---	---	---	---	---	---	---	---	---
NUMBER:	6	6	6	6	6	5	6	6	6	6	6	6
LI - LIVER												
# IN GRP :	6	6	6	6	6	5	6	6	6	6	6	6
M E A N :	6.2701	6.1241	6.3108	5.8070	8.0008*	9.8193*	3.9653	3.8077	4.0137	4.1069	4.7927*	6.2027*
STAND DEV:	0.7779	0.4911	0.4252	0.8457	0.9384	0.6974	0.3785	0.2222	0.5071	0.5175	0.2526	0.7044
OV - OVARY												
# IN GRP :	0	0	0	0	0	0	6	6	6	6	6	6
M E A N :							0.0650	0.0663	0.0691	0.0586	0.0581	0.0382*
STAND DEV:							0.0114	0.0075	0.0086	0.0130	0.0077	0.0082
SP - SPLEEN												
# IN GRP :	6	6	6	6	6	5	6	6	6	6	6	6
M E A N :	0.3911	0.3698	0.3881	0.3329	0.3229	0.2909*	0.2598	0.2551	0.2466	0.2435	0.2359	0.2140
STAND DEV:	0.0264	0.0453	0.0648	0.0479	0.0593	0.0359	0.0548	0.0471	0.0519	0.0310	0.0329	0.0314
TE - TESTIS												
# IN GRP :	6	6	6	6	6	5	0	0	0	0	0	0
M E A N :	1.4847	1.4512	1.4952	1.3776	1.4226	1.5006						
STAND DEV:	0.1098	0.1214	0.1644	0.1037	0.0946	0.1628						

TABLE 14
Summary of Organ-to-Brain Weight Ratios
Terminal Sacrifice

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 3

TABLE INCLUDES:
SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=T; SUBSET=ALL

SEX:	-----MALE-----						-----FEMALE-----					
	---1---	---2---	---3---	---4---	---5---	---6---	---1---	---2---	---3---	---4---	---5---	---6---
GROUP:	6	6	6	6	6	5	6	6	6	6	6	6
NUMBER:	6	6	6	6	6	5	6	6	6	6	6	6
TH - THYMUS												
# IN GRP :	6	6	6	6	6	5	6	6	6	6	6	6
M E A N :	0.2911	0.3343	0.3413	0.2745	0.3156	0.2256	0.2795	0.2664	0.2676	0.2705	0.2506	0.2295
STAND DEV:	0.0722	0.0739	0.0659	0.0201	0.0545	0.0603	0.0342	0.0704	0.0440	0.0352	0.0856	0.0474
TT - THYROID/PARATHYR												
# IN GRP :	6	6	6	6	6	5	6	6	5	6	6	6
M E A N :	0.0100	0.0116	0.0112	0.0097	0.0104	0.0098	0.0081	0.0091	0.0098	0.0091	0.0090	0.0069
STAND DEV:	0.0021	0.0029	0.0012	0.0030	0.0016	0.0025	0.0011	0.0012	0.0023	0.0030	0.0023	0.0017

000650

TABLE 15
Incidence of Macroscopic Observations
Terminal Sacrifice

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 1

--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---												
TABLE INCLUDES: SEX=ALL; GROUP=ALL; WEEKS=ALL DEATH=T; SUBSET=ALL	SEX: -----MALE-----						-----FEMALE-----					
	GROUP: -1- -2- -3- -4- -5- -6-						-1- -2- -3- -4- -5- -6-					
	NUMBER:	6	6	6	6	5	6	6	6	6	6	6
ORGAN AND KEYWORD(S) OR PHRASE		--	--	--	--	--	--	--	--	--	--	--
** TOP OF LIST **												
GENERAL COMMENT (GC)	NUMBER EXAMINED:	6	6	6	6	5	6	6	6	6	6	6
MALOCCLUSION		0	0	0	0	1	0	0	0	0	0	0
NO MACROSCOPIC LESIONS		5	6	5	5	6	0	5	5	5	6	3
BONE MARROW SMEAR TAKEN		6	6	6	6	5	6	6	6	6	6	6
ANIMAL THIN		0	0	0	0	1	0	0	0	0	0	1
DISCHARGE-OCULAR		0	0	0	0	1	0	0	0	0	0	0
KIDNEY (KD)	NUMBER EXAMINED:	6	6	6	6	5	6	6	6	6	6	6
NOT REMARKABLE:		6	6	6	6	5	6	5	6	6	6	6
LARGE PELVIS(ES)		0	0	0	0	0	0	1	0	0	0	0
LIVER (LI)	NUMBER EXAMINED:	6	6	6	6	5	6	6	6	6	6	6
NOT REMARKABLE:		6	6	6	6	3	6	6	6	6	6	6
LARGE		0	0	0	0	2	0	0	0	0	0	0
LIGHT FOCUS(I)/AREA(S)		0	0	0	0	1	0	0	0	0	0	0
DIFFUSELY DARK		0	0	0	0	1	0	0	0	0	0	0
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	6	6	6	6	5	6	6	6	6	6	6
NOT REMARKABLE:		6	6	6	5	6	4	6	6	6	6	6
SMALL		0	0	0	1	0	0	0	0	0	0	0
DIFFUSELY RED		0	0	0	0	1	0	0	0	0	0	0

000651

TABLE 15
Incidence of Macroscopic Observations
Terminal Sacrifice

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 2

--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---												
ORGAN AND KEYWORD(S) OR PHRASE	SEX: -----MALE-----						-----FEMALE-----					
	GROUP: -1- -2- -3- -4- -5- -6-						-1- -2- -3- -4- -5- -6-					
	NUMBER:	6	6	6	6	5	6	6	6	6	6	6
STOMACH, GL (ST)	NUMBER EXAMINED:	6	6	6	6	5	6	6	6	6	6	6
	NOT REMARKABLE:	5	6	6	6	3	6	6	6	6	6	6
RED FOCUS(I)/AREA(S)		0	0	0	0	1	0	0	0	0	0	0
DARK FOCUS(I)/AREA(S)		1	0	0	0	1	0	0	0	0	0	0
LN, MANDIBULAR (MN)	NUMBER EXAMINED:	6	6	6	6	5	6	6	6	6	6	6
	NOT REMARKABLE:	6	6	6	6	4	6	6	6	6	6	6
MOTTLED		0	0	0	0	1	0	0	0	0	0	0
SKIN (SK)	NUMBER EXAMINED:	6	6	6	6	5	6	6	6	6	6	6
	NOT REMARKABLE:	6	6	5	6	5	6	6	6	6	6	5
CRUSTED AREA(S)		0	0	1	0	0	0	0	0	0	0	0
ALOPECIA-FOCAL		0	0	0	0	0	0	0	0	0	0	1
UTERUS (UT)	NUMBER EXAMINED:	0	0	0	0	0	6	6	6	6	6	6
	NOT REMARKABLE:	0	0	0	0	0	5	6	5	6	3	6
LUMEN FILLED WITH FLUID		0	0	0	0	0	1	0	1	0	3	0
SEMINAL VESICLES (SV)	NUMBER EXAMINED:	6	6	6	6	5	0	0	0	0	0	0
	NOT REMARKABLE:	6	6	6	6	4	0	0	0	0	0	0
SMALL		0	0	0	0	1	0	0	0	0	0	0
** END OF LIST **												

TABLE 16
Incidence of Microscopic Observations

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 1

--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---												
SEX: -----MALE----- FEMALE-----												
GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
NUMBER:	6	6	6	6	6	6	6	6	6	6	6	6

TABLE INCLUDES:												
SEX=ALL;GROUP=ALL;WEEKS=ALL												
DEATH=ALL;FIND=ALL;SUBSET=ALL												
ORGAN AND FINDING DESCRIPTION												
--- TOP OF LIST ---												
EYE (EY)	NUMBER EXAMINED:	6	6	6	6	6	6	6	6	6	6	6
	NOT REMARKABLE:	6	5	4	6	6	6	6	6	6	6	5
		0	1	0	0	0	0	0	0	0	0	0
--VASCULARIZATION, CORNEAL		0	0	0	0	0	0	0	0	0	0	1
--INFILTRATE, LYMPHOCYTIC		0	0	2	0	0	0	0	0	0	0	0
--ONE EXAMINED												
BRAIN (BR)	NUMBER EXAMINED:	6	6	6	6	6	6	6	6	6	6	6
	NOT REMARKABLE:	0	0	1	0	0	1	0	0	1	1	0
		6	6	5	6	6	5	6	6	5	5	6
--VACUOLATION												
KIDNEY (KD)	NUMBER EXAMINED:	6	6	6	6	6	6	6	6	6	6	6
	NOT REMARKABLE:	5	2	6	4	5	6	3	4	2	5	5
		1	0	0	0	1	0	0	1	0	0	0
--DEGENERATION, TUBULAR		1	2	0	0	0	0	0	0	0	0	0
--HYALINE DROPLETS, TUBULAR EPITHELIUM		0	2	0	1	0	0	0	0	1	0	0
--INFLAMMATION, CHRONIC		0	1	0	0	0	0	1	2	2	1	1
--PYELITIS		0	0	0	1	0	0	1	0	0	0	0
--CYST		0	0	0	0	0	0	1	0	1	0	0
--DILATATION, PELVIC												
LIVER (LI)	NUMBER EXAMINED:	6	6	6	6	6	6	6	6	6	6	6
	NOT REMARKABLE:	2	2	3	0	0	1	1	4	3	0	0
		4	4	3	4	5	1	2	0	1	3	0
--INFLAMMATION, SUBACUTE		0	0	0	6	6	0	0	0	0	6	6
--HYPERTROPHY, HEPATOCELLULAR, CENTRIOLOBULAR		0	0	0	0	2	0	4	5	2	2	0
--VACUOLATION, HEPATOCELLULAR												

** CONTINUED ON NEXT PAGE **

000653

TABLE 16
Incidence of Microscopic Observations4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 2

--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---													
TABLE INCLUDES:		SEX: -----MALE-----						-----FEMALE-----					
SEX=ALL; GROUP=ALL; WEEKS=ALL													
DEATH=ALL; FIND=ALL; SUBSET=ALL													
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
NUMBER:		6	6	6	6	6	6	6	6	6	6	6	6
ORGAN AND FINDING DESCRIPTION		==	==	==	==	==	==	==	==	==	==	==	==
** FROM PREVIOUS PAGE **													
LIVER (LI)	NUMBER EXAMINED:	6	6	6	6	6	6	6	6	6	6	6	6
	NOT REMARKABLE:	2	2	3	0	0	0	1	1	4	3	0	0
--NECROSIS		0	0	1	0	1	3	0	0	0	1	0	0
SPLEEN (SP)	NUMBER EXAMINED:	6	6	6	6	6	6	6	6	6	6	6	6
	NOT REMARKABLE:	6	6	6	6	6	6	6	6	6	6	6	6
PANCREAS (PA)	NUMBER EXAMINED:	6	6	6	6	6	6	6	6	6	6	6	6
	NOT REMARKABLE:	6	6	6	6	5	6	6	6	6	6	6	6
--INFLAMMATION, CHRONIC		0	0	0	0	1	0	0	0	0	0	0	0
--HEMORRHAGE		0	0	0	0	1	0	0	0	0	0	0	0
LN, MESENTERIC (MS)	NUMBER EXAMINED:	6	6	6	6	6	6	6	5	6	6	6	5
	NOT REMARKABLE:	6	6	6	6	6	5	6	5	6	6	6	5
--HEMORRHAGE		0	0	0	0	0	1	0	0	0	0	0	0
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	6	6	6	6	6	6	6	6	6	6	6	6
	NOT REMARKABLE:	4	5	4	5	6	6	6	6	6	6	6	6
--VACUOLATION		2	1	2	1	0	0	0	0	0	0	0	0
ADRENAL, MEDULLA (MA)	NUMBER EXAMINED:	6	6	6	6	6	6	6	6	6	6	6	6
	NOT REMARKABLE:	6	6	6	6	6	6	6	6	6	6	6	6

000654

TABLE 16
Incidence of Microscopic Observations

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 3

--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---												
SEX: -----MALE----- FEMALE-----												
GROUP: -1- -2- -3- -4- -5- -6- -1- -2- -3- -4- -5- -6-												
NUMBER: 6 6 6 6 6 6 6 6 6 6 6 6												

ORGAN AND FINDING DESCRIPTION												
OVARY (OV)	NUMBER EXAMINED:	0	0	0	0	0	0	6	6	6	6	6
	NOT REMARKABLE:	0	0	0	0	0	0	6	6	6	6	6
TESTIS (TE)	NUMBER EXAMINED:	6	6	6	6	6	6	0	0	0	0	0
	NOT REMARKABLE:	6	6	6	6	6	6	0	0	0	0	0
BONE, FEMUR (FE)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0
MARROW, FEMUR (FM)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0
MARROW, STERNUM (SE)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0
BONE, STERNUM (SB)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0
LUNG (LU)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0

000655

TABLE 16
Incidence of Microscopic Observations

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 4

--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---												
SEX: -----MALE----- FEMALE-----												
GROUP: -1- -2- -3- -4- -5- -6- -1- -2- -3- -4- -5- -6-												
NUMBER: 6 6 6 6 6 6 6 6 6 6 6 6												

ORGAN AND FINDING DESCRIPTION	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0
TRACHEA (TR)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0
ESOPHAGUS (ES)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0
HEART (HT)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0
MUSCLE, SKELETAL (SM)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0
NERVE, SCIATIC (SN)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0
STOMACH, GL (ST)	NUMBER EXAMINED:	1	0	0	0	0	2	0	0	0	0	0
	NOT REMARKABLE:	1	0	0	0	0	1	0	0	0	0	0
--EROSION		0	0	0	0	0	1	0	0	0	0	0
STOMACH, NONGL (SU)	NUMBER EXAMINED:	1	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	1	0	0	0	0	0	0	0	0	0	0

000656

TABLE 16
Incidence of Microscopic Observations

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 5

--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---												
SEX: -----MALE----- FEMALE-----												
GROUP: -1- -2- -3- -4- -5- -6- -1- -2- -3- -4- -5- -6-												
NUMBER: 6 6 6 6 6 6 6 6 6 6 6 6												

ORGAN AND FINDING DESCRIPTION	NUMBER:	6	6	6	6	6	6	6	6	6	6	6

DUODENUM (DU)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0
JEJUNUM (JE)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0
ILEUM (IL)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0
LN, POPLITEAL (PP)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0
CECUM (CE)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0
COLON (CO)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0
RECTUM (RE)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0

000657

TABLE 16
Incidence of Microscopic Observations

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 6

--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---												
SEX: -----MALE----- FEMALE-----												
GROUP: -1- -2- -3- -4- -5- -6- -1- -2- -3- -4- -5- -6-												
NUMBER: 6 6 6 6 6 6 6 6 6 6 6 6												

TABLE INCLUDES:												
SEX=ALL; GROUP=ALL; WEEKS=ALL												
DEATH=ALL; FIND=ALL; SUBSET=ALL												
ORGAN AND FINDING DESCRIPTION												
THYROID (TY)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0
PARATHYROID (PT)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0
AORTA (AO)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0
PITUITARY (PI)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0
THYMUS (TH)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0
SPINAL CORD (SC)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0
HARDERIAN GLAND (HG)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0

TABLE 16
Incidence of Microscopic Observations

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 7

--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---														
TABLE INCLUDES: SEX=ALL; GROUP=ALL; WEEKS=ALL DEATH=ALL; FIND=ALL; SUBSET=ALL		SEX:	-----MALE-----						-----FEMALE-----					
		GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
ORGAN AND FINDING DESCRIPTION		NUMBER:	6	6	6	6	6	6	6	6	6	6	6	
			--	--	--	--	--	--	--	--	--	--	--	
AUDITORY SEB GL (AS)		NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0	0	
		NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	
SALIV GL, MANDIB (SG)		NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0	0	
		NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	
LN, MANDIBULAR (MN)		NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0	0	
		NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	
SKIN (SK)		NUMBER EXAMINED:	0	0	1	0	0	0	0	0	0	0	1	
		NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	
--INVOLUTION, FOLLICULAR			0	0	0	0	0	0	0	0	0	0	1	
--INFLAMMATION, CHRONIC-ACTIVE			0	0	1	0	0	0	0	0	0	0	0	
MAMMARY, FEMALE (MF)		NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0	0	
		NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	
URINARY BLADDER (UB)		NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0	0	
		NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	

000659

TABLE 16
Incidence of Microscopic Observations

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 8

--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---												
SEX: -----MALE-----FEMALE-----												
GROUP: -1- -2- -3- -4- -5- -6- -1- -2- -3- -4- -5- -6-												
NUMBER: 6 6 6 6 6 6 6 6 6 6 6 6												

CERVIX (CV)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0
UTERUS (UT)	NUMBER EXAMINED:	0	0	0	0	0	0	1	0	1	0	3
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0
--DILATATION		0	0	0	0	0	0	1	0	1	0	3
VAGINA (VA)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0
PROSTATE (PR)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0
SEMINAL VESICLES (SV)	NUMBER EXAMINED:	0	0	0	0	0	1	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0
--SECRETION, DECREASED		0	0	0	0	0	1	0	0	0	0	0
EPIDIDYMIDES (EP)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0

** END OF LIST **

0090000

TABLE 17

Incidence of Severity of Selected Microscopic Observations

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 1

--- NUMBER - OF - ANIMALS - AFFECTED ---												
SEX: -----MALE-----						-----FEMALE-----						
GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
NUMBER:	6	6	6	6	6	6	6	6	6	6	6	6
ORGAN/TISSUE EXAMINED	---	---	---	---	---	---	---	---	---	---	---	---
** TOP OF LIST **												
LIVER (LI) NUMBER EXAMINED:	6	6	6	6	6	6	6	6	6	6	6	6
--INFLAMMATION, SUBACUTE	-> 2	2	3	2	1	5	4	6	6	5	3	6
	1> 4	4	3	3	4	1	2	0	0	1	3	0
	2> 0	0	0	1	1	0	0	0	0	0	0	0
	TL> 6	6	6	6	6	6	6	6	6	6	6	6
	MN> 0.7	0.7	0.5	0.8	1.0	0.2	0.3	0.0	0.0	0.2	0.5	0.0
--HYPERTROPHY, HEPATOCELLULAR, CENTRIOBULAR												
	-> 6	6	6	0	0	0	6	6	6	6	0	0
	1> 0	0	0	5	0	0	0	0	0	0	0	0
	2> 0	0	0	1	0	0	0	0	0	0	4	0
	3> 0	0	0	0	4	0	0	0	0	0	2	1
	4> 0	0	0	0	2	3	0	0	0	0	0	5
	5> 0	0	0	0	0	3	0	0	0	0	0	0
	TL> 6	6	6	6	6	6	6	6	6	6	6	6
	MN> 0.0	0.0	0.0	1.2	3.3	4.5	0.0	0.0	0.0	0.0	2.3	3.8
--VACUOLATION, HEPATOCELLULAR												
	-> 6	6	6	6	4	6	2	1	4	5	4	6
	1> 0	0	0	0	2	0	4	5	2	1	2	0
	TL> 6	6	6	6	6	6	6	6	6	6	6	6
	MN> 0.0	0.0	0.0	0.0	0.3	0.0	0.7	0.8	0.3	0.2	0.3	0.0
--NECROSIS												
	-> 6	6	5	6	5	3	6	6	6	5	6	6
	1> 0	0	1	0	1	0	0	0	0	1	0	0
	3> 0	0	0	0	0	2	0	0	0	0	0	0
	4> 0	0	0	0	0	1	0	0	0	0	0	0
	TL> 6	6	6	6	6	6	6	6	6	6	6	6
	MN> 0.0	0.0	0.2	0.0	0.2	1.7	0.0	0.0	0.0	0.2	0.0	0.0
** END OF LIST **												

000661

APPENDIX 1

**Protocol Deviations
Protocol
Protocol Amendment No. 1**

Protocol Deviations

Protocol. Test material. Disposition of Test Material. After authorization from the Sponsor, any remaining test material will be returned to the Sponsor.

Actual Procedure. Remaining test material was retained for future use.

Protocol. Dosing Procedures. Retention Samples. "Samples (approximately 100 g) will be taken from each dose preparation sampled for dose analyses and stored at room temperature. Unless used for analyses, these samples will be discarded approximately 1 month after completion of the in-life phase."

Actual Procedure. Retention samples were not discarded approximately 1 month after completion of the in-life phase.

Protocol. Termination. Organ Weights. At the scheduled sacrifice, thyroid (2) with parathyroid was to be weighed.

Actual Procedure. One thyroid with parathyroid was not weighed for Animal No. C94539.

Protocol. Experimental Design. Postmortem Procedures. "The following tissues (when present) will be collected from each animal and preserved in 10% phosphate-buffered formalin." Gross lesions were not to be processed and examined microscopically.

Actual Procedure. Some tissues, required by the protocol, were not available for histopathologic examination. Missing tissues are listed with appropriate comments in the pathology data sheets for individual animals. Summary tables do not include them as having been examined. Gross lesions were processed and examined microscopically.

These deviations are not expected to have affected the results of the study.

Protocol



Sponsor:

3M
St. Paul, Minnesota

PROTOCOL

Study Title:

4-Week Range-Finding Dietary Toxicity Study with N-Methyl
Perfluorooctanesulfonamido Ethanol (N-MeFOSE, T-6314) in Rats

Date:

June 8, 1998

Performing Laboratory:

Covance Laboratories Inc.
3301 Kinsman Boulevard
Madison, Wisconsin 53704-2595

Laboratory Study Identification:

Proposal No. 90545C

Covance 6329-224

T-6314.2

Study

4-Week Range-Finding Dietary Toxicity Study with N-Methyl
Perfluorooctanesulfonamido Ethanol (N-MeFOSE, T-6314) in Rats

Purpose

To assess the toxicity of the test material when administered in the diet to rats
for at least 4 weeks

Sponsor

3M
Toxicology Services
Building 220-2E-02, 3M Center
St. Paul, Minnesota 55144-1000

Study Monitor

Andrew M. Seacat, PhD
3M Toxicology Services
Telephone No.: 612.575.3161
Facsimile No.: 612.733.1773

Alternate Study Monitor

Marvin T. Case, DVM, PhD
3M Toxicology Services
Telephone No.: 612.733.5180
Facsimile No.: 612.733.1773

Study Location

Covance Laboratories Inc.
3301 Kinsman Boulevard
Madison, Wisconsin 53704-2595

Mailing Address: PO Box 7545
Madison, Wisconsin 53707-7545

Study Director

Peter J. Thomford, PhD
Covance Laboratories Inc.
Telephone No.: 608.241.7207
Facsimile No.: 608.242.2736

Toxicologist

Thomas E. Ryan, BS
Covance Laboratories Inc.

Proposed Study Timetable

In-Life Start Date: June 12, 1998
In-Life End Date: July 13, 1998
Audited Draft Report Date: October 18, 1998

Regulatory Compliance

This study will be conducted in compliance with the Food and Drug Administration Good Laboratory Practice Regulations as set forth in Title 21 of the US Code of Federal Regulations, Part 58, issued December 22, 1978 (effective June 20, 1979), and with any applicable amendments.

Animal Care and Use Statement

All procedures in this protocol are in compliance with the Animal Welfare Act Regulations, 9 CFR 1-4. In the opinion of the Sponsor and study director, the study does not unnecessarily duplicate any previous work.

Quality Assurance

The protocol, study conduct, and final report will be audited by the Covance Quality Assurance Unit (QAU). The proliferation cell nuclear antigen evaluation, data, and report will be audited by the QAU of Pathology Associates International. Liver and serum analyses, data, and report will be audited by the QAU of 3M Environmental Technology and Safety Services.

Test Material**Identification**

N-Methyl Perfluorooctanesulfonamido Ethanol (MeFOS, T-6314)

Lot Number

The lot numbers will be maintained in the raw data.

Purity

Responsibility of the Sponsor

Stability

Responsibility of the Sponsor

Storage Conditions

At room temperature

Characteristics

Information on synthesis methods, composition, or other characteristics that define the test material is on file with the Sponsor.

Reserve (Archive) Samples

A reserve sample (approximately 5 g) of each lot will be taken and stored at room temperature. These samples will be transferred to the Sponsor after completion of the in-life phase.

Disposition of Test Material

After authorization from the Sponsor, any remaining test material will be returned to:

Andrew M. Seacat, PhD
3M Toxicology Services
Building 220-2E-02, 3M Center
St. Paul, Minnesota 55144-1000
Telephone No.: 612.575.3161
Facsimile No.: 612.733.1773

Animals**Species**

Rat

StrainCrl:CD[®](SD) IGS BR**Source**

Charles River Laboratories, Inc., Raleigh, North Carolina

Age at Initiation of Treatment

Preferably less than 6 weeks of age, but not more than 8 weeks of age

Weight at Initiation of Treatment

100 to 300 g

Number and Sex

36 males and 36 females

Identification

Implantable microchip identification device

Husbandry**Housing**

Individual (may be group-housed during acclimation). Animals will be housed in suspended, stainless steel cages.

Diet

Certified Rodent Diet #5002, meal (PMI Nutrition International) *ad libitum*, unless otherwise specified. The diet is routinely analyzed by the manufacturer for nutritional components and environmental contaminants. Specified nutrient and contaminant analyses are on file at Covance-Madison.

Water

Ad libitum. Samples of the water are routinely analyzed for specified microorganisms and environmental contaminants. The results are on file at Covance-Madison.

Contaminants

There are no known contaminants in the diet or water at levels that might interfere with this study.

Environment

Environmental controls for the animal room will be set to maintain 18 to 26°C, a relative humidity of 30 to 70%, and a 12-hour light/12-hour dark cycle.

Acclimation

At least 1 week

Randomization

Selection of animals for the study will be based on body weights, clinical observations, and other data as appropriate. Animals will be assigned to treatment groups using a computerized blocking procedure designed to achieve body weight balance with respect to treatment groups. At the time of randomization, the weight variation of the animals of each sex used will not exceed ± 2 standard deviations of the mean weight, and the mean body weight for each group of each sex will not be statistically different at the 5.0% probability level.

Justification

Rats historically have been used in safety evaluation studies and are recommended by appropriate regulatory agencies.

Group Designations and Dietary Levels

Group	Number of Animals		Dietary Levels (ppm MeFOS) ^a
	Male	Female	
1 (Control) ^b	6	6	0
2 (Low)	6	6	1
3 (Low-Mid)	6	6	10
4 (Mid)	6	6	30
5 (Mid-High)	6	6	100
6 (High)	6	6	500

a Dose levels are expressed as ppm of MeFOS.

b The control animals will receive the basal diet only.

Dosing Procedures**Method of Administration**

Dietary, 7 days/week for at least 4 weeks. Treatment will continue through the day before necropsy.

Reason for Dosing Route

The potential route of exposure in humans is oral.

Dose Preparation

All dose preparations will be mixed according to the study-specific mixing procedure developed by Covance. Dose concentrations will be based on the MeFOS content as supplied. All dose preparations will be stored at room temperature.

Retention Samples

Samples (approximately 100 g) will be taken from each dose preparation sampled for dose analyses and stored at room temperature. Unless used for analyses, these samples will be discarded approximately 1 month after completion of the in-life phase.

Dose Analyses

By Covance, using a method supplied by the Sponsor and validated by Covance

Homogeneity

Homogeneity will be determined for all treated dose level preparations once pretest. One sample each (approximately 100 g) from the top, middle, and bottom of the dose preparations mixed for homogeneity analyses will be collected, divided into three subsamples for extraction and analysis, and analyzed for test material content. All samples will be stored at room temperature until analyzed. In addition, one sample each (approximately 100 g) from the top, middle, and bottom of the 1-ppm dose preparation mixed for the in-life portion of the study will be collected, divided into three subsamples for extraction and analysis, and analyzed for test material content. Homogeneity analysis will be repeated if batch size changes by more than 30%.

Stability

Four sets of samples (approximately 100 g each) will be taken from the low- and high-dose level concentrations of diet preparations mixed pretest. Homogeneity samples collected from the middle of the pretest dose preparations will be analyzed on the day of mixing and used as the baseline value. The remaining samples from low-dose level preparation mixed pretest will be discarded. One sample of the high-dose preparation will be stored at room temperature for at least 19 days, then analyzed. The third sample of the high-dose preparation will be stored at room temperature after at least 32 days, then analyzed. The remaining sample of the high-dose preparation will be stored in a freezer set to maintain -10 to -30°C for 8 weeks, then analyzed.

In addition, three samples (approximately 100 g each) will be taken from the low-dose level preparation mixed for the in-life portion of the study and analyzed according to the schedule used for the samples of pre-test high-dose preparation. Homogeneity samples collected from the middle of the low-dose level preparation will be analyzed on the day of mixing and used as the baseline value.

Dose Confirmation

Samples (approximately 100 g) from all dose preparations will be analyzed. The homogeneity sample collected from the middle of the low-dose level preparation mixed for the in-life portion of the study will be used for dose confirmation. All samples will be stored at room temperature until analyzed.

Observation of Animals

Clinical Observations

Each animal will be observed twice daily (a.m. and p.m.) for mortality and moribundity, recording findings as they are observed. At least once weekly, each animal will be observed (cage will be opened, and the animal will be removed); abnormal findings or an indication of normal will be recorded. Additional findings will be recorded as they are observed.

Body Weights

Each animal will be weighed at least once prior to treatment, on the first day of treatment, and twice weekly thereafter.

Food Consumption

Food consumption will be recorded for each animal twice weekly during treatment.

Clinical Pathology

Frequency

After at least 4 weeks of treatment

Number of Animals

All

Method of Collection

Animals will be fasted overnight; blood will be collected from a jugular vein. The anticoagulant will be potassium EDTA for hematology tests. Urine will be collected chilled overnight (approximately 16 hours).

Tests

Hematology

red blood cell (erythrocyte) count	platelet count
hemoglobin	white blood cell (leukocyte) count
hematocrit	differential blood cell count
mean corpuscular volume	blood cell morphology
mean corpuscular hemoglobin	reticulocyte smear (made, but not examined)
mean corpuscular hemoglobin concentration	

Clinical Chemistry

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

Urinalysis

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

The remaining urine (up to 10 mL) for each animal will be stored in a freezer set to maintain -10 to -30°C. Samples will be packed on dry ice and shipped to:

Kris J. Hansen, PhD
3M Environmental Technology and Safety Services
935 Bush Avenue
Building 2-3E-09
St. Paul, Minnesota 55133-3331
Telephone No.: 612.778.6018
Facsimile No.: 612.778.6176

Urine samples will be stored by the Sponsor for possible future analysis.

Serum Perfluorooctane Sulfonic Acid (PFOS) Analyses

Frequency and Number of Animals

All animals after at least 4 weeks of treatment

Method of Collection

Animals will be fasted overnight; blood (approximately 2 mL) will be collected from a jugular vein. Samples will be collected without anticoagulant.

More, 4-6 mL
we need at least
2 mL of Serum.
For
Analysis.

Sample Handling

Blood samples will be allowed to clot at room temperature and centrifuged. Serum samples will be harvested and stored in a freezer set to maintain -60 to -80°C.

Samples will be packed on dry ice and shipped to:

Kris J. Hansen, PhD
3M Environmental Technology and Safety Services
935 Bush Avenue
Building 2-3E-09
St. Paul, Minnesota 55133-3331
Telephone No.: 612.778.6018
Facsimile No.: 612.778.6176

Serum samples will be analyzed for PFOS and metabolites by the Sponsor. Results will be reported separately by the Sponsor.

Termination

Unscheduled Sacrifices and Deaths

Necropsies will be done. Animals to be sacrificed will be anesthetized with carbon dioxide, weighed, and exsanguinated.

Scheduled Sacrifice

After at least 4 weeks of treatment, all surviving animals will be fasted overnight, bled for clinical pathology tests and PFOS samples, then anesthetized with carbon dioxide, weighed, exsanguinated, and necropsied.

Postmortem Procedures**Necropsy**

The necropsy will include an examination of the external features of the carcass; all external body orifices; the abdominal, thoracic, and cranial cavities; organs; and tissues.

Organ Weights

At the scheduled sacrifice, the following organs (when present) will be weighed; paired organs will be weighed together:

adrenal (2)	ovary (2)
brain	spleen
epididymis (2)	testis (2)
kidney (2)	thymus
liver	thyroid (2) with parathyroid

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

Bone Marrow Smear

From the femur of each animal at the scheduled sacrifice only; made but not examined

Cell Proliferation Tissue Collection and Immunohistochemical Evaluation

At the scheduled sacrifice, representative samples of left lateral lobe of the liver from each animal will be collected and preserved in zinc formalin.

After fixation, each sample of liver will be embedded in paraffin, and the paraffin blocks will be shipped to:

Sandra R. Eldridge, PhD
Pathology Associates International
15 Worman's Mill Court, Suite I
Frederick, Maryland 21701
Telephone No.: 301.663.1644, ext. 2201
Facsimile No: 301.663.8994

Proliferation cell nuclear antigen (PCNA) evaluation will be done on the samples. Results will be provided for inclusion in the final report.

Palmitoyl-CoA Oxidase Tissue Collection and Analyses

At the scheduled sacrifice, a sample (approximately 500 mg) of the right lateral lobe of the liver will also be collected from each animal and flash-frozen in liquid nitrogen. The liver tissue will be stored in a freezer set to maintain -60 to -80°C until analyzed by Covance for palmitoyl-CoA oxidase activity.

Liver PFOS Analysis

At scheduled sacrifice, a portion of the liver from each animal will be stored in a freezer set to maintain -60 to -80°C. Samples will be packed on dry ice and shipped to Kris J. Hansen, PhD, 3M Environmental Technology and Safety Services. Liver samples will be analyzed for PFOS and metabolites by the Sponsor. Results will be reported separately by the Sponsor.

Tissue Preservation

The following tissues (when present) from each animal will be preserved in 10% neutral-buffered formalin:

adrenal (2)	jejunum
aorta	kidney (2)
brain	lesions
cecum	liver
cervix	lung with mainstem bronchi
colon	lymph nodes (mesenteric and mandibular)
duodenum	mammary glands (females only)
esophagus	ovary (2)
epididymis (2)	pancreas
eye (2)	pituitary
femur with bone marrow (articular surface of the distal end)	prostate
Harderian gland	rectum
heart	salivary gland [mandibular (2)]
ileum with Peyer's patch (lymphoid aggregate)	sciatic nerve
	seminal vesicles

skeletal muscle (thigh)	thymus
skin	thyroid (2) with parathyroid
spinal cord (cervical, mid-thoracic, and lumbar)	trachea
spleen	urinary bladder
sternum with bone marrow	uterus
stomach	vagina
testis [(2) preserved in Bouin's fixative]	Zymbal's gland

Histopathology

The adrenals, brain, eyes, kidneys, liver, mesenteric lymph node, pancreas, spleen, testes, and ovaries from each animal will be embedded in paraffin, sectioned, and stained with hematoxylin and eosin.

Tissue slides will be shipped to:

Richard H. Bruner, D.V.M. DAVCP
Pathology Associates International
Ohio Operations
6217 Centre Park Drive
West Chester, Ohio 45069
Telephone No.: 513.779.9600
Facsimile No.: 513.779.9603

Tissue slides will be examined microscopically by Dr. Bruner and the results from his evaluation will be included in the final report. After completion of the examination, slides will be returned to Covance-Madison.

Reports

One copy of the draft report will be sent to the Sponsor. The report will include the following information:

Experimental Design and Methods**Results**

dose analyses
mortality
clinical observations
body weights

body weight changes
food consumption
test material consumption
clinical pathology results
organ weights
organ-to-body weight percentages
organ-to-brain weight ratios
palmitoyl CoA oxidase activities
macroscopic observations
microscopic observations
cell proliferation assessments (provided by the Sponsor's designee)

Statistical Evaluation

Levene's test will be done to test for variance homogeneity. In the case of heterogeneity of variance at $p \leq 0.05$, transformations will be used to stabilize the variance. Comparison tests will take variance heterogeneity into consideration.

One-way analysis of variance (ANOVA) will be used (if applicable) to analyze body weights, body weight changes, food consumption, continuous clinical pathology values, and organ weight data. If the ANOVA is significant, Dunnett's t-test will be used for control versus treated group comparisons.

If the ANOVA shows significance for body weights at Week 1, one-way analysis of covariance (ANCOVA) will be used to analyze body weights, with initial body weights as the covariate. If the ANCOVA is significant, covariate-adjusted means will be used for control versus treated group comparisons.

Group comparisons (Groups 2 through 6 versus Group 1) will be evaluated at the 5.0%, two-tailed probability level. Only data collected on or after the first day of treatment will be analyzed statistically.

At the end of 1 year after issuance of the audited draft report, if no requested revisions or instructions to finalize have been communicated by the Sponsor, then the audited draft report will be considered 'final' and issued as the final report, signed by the study director, and submitted to the Sponsor.

Any modifications or changes to the audited draft report requested 1 year after issuance will be performed at additional cost to the Sponsor.

Two copies of the signed final report (one unbound and one bound) will be sent to the client.

Record Retention

All raw data, documentation, records, protocol, specimens, and final report generated as a result of this study will be archived in the storage facilities of Covance-Madison for a period of 1 year following submission of the final report to the Sponsor. All raw data stored on magnetic media, the protocol and protocol amendments, study correspondence, and the original report will be retained by Covance. One year after submission of the final report, all of the aforementioned materials will be sent to the Sponsor, and a return fee will be charged. The Sponsor may elect to have the materials retained in the Covance archives for an additional period of time, and Covance will charge a storage fee. If the Sponsor chooses to have Covance dispose of the materials, a disposal fee will be charged.

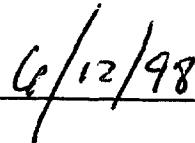
PCNA evaluation data, paraffin blocks, and tissue slides will be retained by Pathology Associates International.

Liver, urine, and serum samples sent to the Sponsor and analysis data will be retained by the Sponsor.

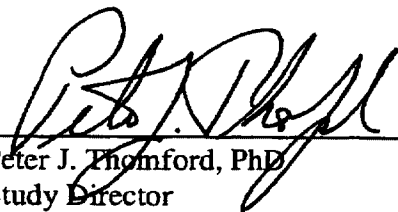
PROTOCOL APPROVAL



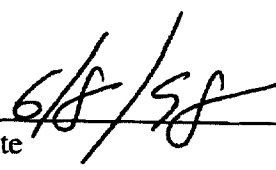
Andrew M. Seacat, PhD
Study Monitor
3M



Date



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



Date

Protocol Amendment No. 1



PROTOCOL AMENDMENT NO. 1

Covance 6329-224

4-Week Range-Finding Dietary Toxicity Study with N-Methyl
Perfluorooctanesulfonamido Ethanol (N-MeFOSE, T-6314) in Rats

Sponsor:	3M, St. Paul, Minnesota
Study Monitor:	Andrew M. Seacat, PhD
Testing Facility:	Covance Laboratories Inc., Madison, Wisconsin
Study Director:	Peter J. Thomford, PhD

This amendment modifies the following portions of the protocol:

Effective June 8, 1998

1. **Page 4.** To include the vehicle used to dissolve the test material before mixing with the diet, add the following section.

Vehicle

Identification

Acetone

Lot Numbers

The lot numbers will be maintained in the raw data.

Purity

On file with the manufacturer

Stability

On file with the manufacturer

Storage Conditions

At room temperature

Characteristics

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

Effective June 19, 1998

2. **Page 9, Clinical Pathology, Method of Collection** To indicate that a different method of collection is required to provide additional blood, delete the text in this section and replace with the following:

Animals will be fasted overnight and anesthetized with carbon dioxide; blood will be collected via cardiac puncture. The anticoagulant will be potassium EDTA for hematology tests. Urine will be collected chilled overnight (approximately 16 hours).
3. **Page 11, Serum Perfluorooctane Sulfonic Acid (PFOS) Analyses, Method of Collection.** To indicate that a different method of collection is required to provide additional blood for PFOS analyses, delete the text in this section and replace with the following:

Animals will be fasted overnight and anesthetized with carbon dioxide; blood (as much as possible) will be collected via cardiac puncture. Samples will be collected without anticoagulant.
4. **Page 11, Termination, Scheduled Sacrifice.** To indicate a change in necropsy procedures required for collection of additional blood for PFOS analysis, delete the text in this section and replace with the following:

After at least 4 weeks of treatment, all surviving animals will be fasted overnight, then anesthetized with carbon dioxide, bled for clinical pathology tests and PFOS samples, weighed, exsanguinated, and necropsied.

Effective July 13, 1998

5. **Page 3, Quality Assurance.** To indicate that quality assurance for tissue processing will be done by Pathology Associates International, delete the text in this section and replace with the following:

The protocol, study conduct, and final report will be audited by the Covance Quality Assurance Unit (QAU). Tissue processing will be audited by the QAU of Pathology Associates International, Ohio Operations. The proliferation cell nuclear antigen evaluation, data, and report will be audited by the QAU of Pathology Associates International, Frederick, Maryland. Liver and serum analyses, data, and report will be audited by the QAU of 3M Environmental Technology and Safety Services.

6. **Page 12, Postmortem Procedures, Histopathology.** To reflect the decision to ship tissues to Pathology Associates International for processing, delete the text in this section and replace with the following:

Tissue will be shipped for processing to:

Ms. Sheree Lovelace
Pathology Associates International
Ohio Operations
6217 Centre Park Drive
West Chester, Ohio 45069

The adrenals, brain, eyes, kidneys, liver, mesenteric lymph node, pancreas, spleen, testes, and ovaries from each animal will be embedded in paraffin, sectioned, and stained with hematoxylin and eosin.

Tissue slides will be examined microscopically by Richard H. Bruner, D.V.M. DAVCP of Pathology Associates International and the results from his evaluation will be included in the final report. After completion of the examination, slides and tissues will be returned to Covance-Madison.

Effective July 20, 1998

7. **Page 2, Study Monitor and Alternate Study Monitor.** To indicate the change in the area code, delete the text in these section and replace with the following:

Study Monitor

Andrew M. Seacat, PhD

3M

Telephone No.: 651.575.3161

Facsimile No.: 651.733.1773

Alternate Study Monitor

Marvin T. Case, DVM, PhD

3M Toxicology Services

Telephone No.: 651.733.5180

Facsimile No.: 651.733.1773

8. **Page 4, Disposition of Test Material.** To indicate the change in the area code, delete the text in these section and replace with the following:

After authorization from the Sponsor, any remaining test material will be returned to:

Andrew M. Seacat, PhD

3M

Toxicology Services

Building 220-2E-02, 3M Center

St. Paul, Minnesota 55144-1000

Telephone No.: 651.575.3161

Facsimile No.: 651.733.1733

9. **Page 10, Clinical Pathology, Tests, Urinalysis, Paragraph 2.** To indicate the change in the area code, delete the text in this paragraph and replace with the following:

The remaining urine (up to 10 mL) for each animal will stored in a freezer set to maintain -10 to -30°C. Samples will be packed on dry ice and shipped to:

Kris J. Hansen, PhD
3M Environmental Technology and Safety Services
935 Bush Avenue
Building 2-3E-09
St. Paul, Minnesota 55133-3331
Telephone No.: 651.778.6018
Facsimile No.: 651.2.778.6176

10. **Page 11, Serum Perfluorooctane Sulfonic Acid (PFOS) Analyses, Sample Handling, Paragraph 1.** To indicate the change in the area code, delete the text in this paragraph and replace with the following:

Blood samples will be allowed to clot at room temperature and centrifuged.
Serum samples will be harvested and stored in a freezer set to maintain
-60 to -80°C. Samples will be packed on dry ice and shipped to:

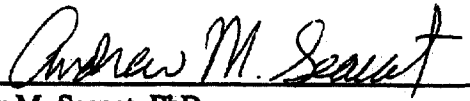
Kris J. Hansen, PhD
3M Environmental Technology and Safety Services
935 Bush Avenue
Building 2-3E-09
St. Paul, Minnesota 55133-3331
Telephone No.: 651.778.6018
Facsimile No.: 651.778.6176

Effective December 15, 1998

11. **Page 13, Postmortem Procedures, Cell Proliferation Tissue Collection and Immunohistochemical Evaluation, Paragraph 3.** To include examination of liver sections will be stained with hematoxylin and eosin as part of the cell proliferation evaluation, delete this paragraph and replace with the following:

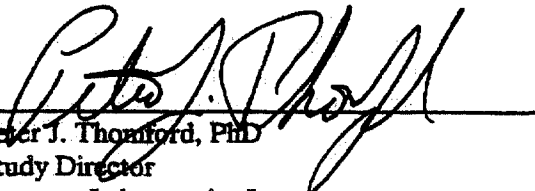
Proliferation cell nuclear antigen (PCNA) evaluation will be done on the samples.
In addition, liver sections will be stained with hematoxylin and eosin and
examined microscopically. Results will be provided for inclusion in the final
report.

AMENDMENT APPROVAL



Andrew M. Seacat, PhD
Study Monitor
3M

Date June 10th 1999



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

Date 01 June 1999

APPENDIX 2

Individual Animal Fate Data Individual Clinical Observations

APPENDIX 2

Individual Animal Fate Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 1

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C94491	1	MALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94492	1	MALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94493	1	MALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94494	1	MALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94495	1	MALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94496	1	MALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94497	2	MALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94498	2	MALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94499	2	MALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94500	2	MALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94501	2	MALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94502	2	MALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94503	3	MALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94504	3	MALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94505	3	MALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94506	3	MALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94507	3	MALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94508	3	MALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94509	4	MALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94510	4	MALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94511	4	MALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94512	4	MALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94513	4	MALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94514	4	MALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94515	5	MALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94516	5	MALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94517	5	MALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94518	5	MALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94519	5	MALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94520	5	MALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94521	6	MALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94522	6	MALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94523	6	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	07/06/98	25	4
C94524	6	MALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5

APPENDIX 2

Individual Animal Fate Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 2

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C94525	6	MALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94526	6	MALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94527	1	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94528	1	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94529	1	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94530	1	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94531	1	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94532	1	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94533	2	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94534	2	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94535	2	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94536	2	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94537	2	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94538	2	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94539	3	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94540	3	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94541	3	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94542	3	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94543	3	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94544	3	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94545	4	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94546	4	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94547	4	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94548	4	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94549	4	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94550	4	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94551	5	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94552	5	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94553	5	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94554	5	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94555	5	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94556	5	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94557	6	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94558	6	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5

Covance 6329-224
3M T-6314.2

APPENDIX 2

Individual Animal Fate Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 3

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C94559	6	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94560	6	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94561	6	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5
C94562	6	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	07/13/98	32	5

000630

Appendix 2

Individual Clinical Observations

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 1

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER	GROUP: M1	DOSE: 0 PPM	DAYS 1-32 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C94491	T	5	ANIMAL HAS NO SIGNIFICANT FINDINGS			
C94492	T	5	ANIMAL HAS NO SIGNIFICANT FINDINGS			
C94493	T	5	ANIMAL HAS NO SIGNIFICANT FINDINGS			
C94494	T	5	ANIMAL HAS NO SIGNIFICANT FINDINGS			
C94495	T	5	ANIMAL HAS NO SIGNIFICANT FINDINGS			
C94496	T	5	ANIMAL HAS NO SIGNIFICANT FINDINGS			

000691

Appendix 2

Individual Clinical Observations

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 2

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER	GROUP: M2	DOSE: 1 PPM	DAYS 1-32 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C94497	T	5	ANIMAL HAS NO SIGNIFICANT FINDINGS			
C94498	T	5	ANIMAL HAS NO SIGNIFICANT FINDINGS			
C94499	T	5	ANIMAL HAS NO SIGNIFICANT FINDINGS			
C94500	T	5	ANIMAL HAS NO SIGNIFICANT FINDINGS			
C94501	T	5	ANIMAL HAS NO SIGNIFICANT FINDINGS			
C94502	T	5	ANIMAL HAS NO SIGNIFICANT FINDINGS			

000692

Appendix 2

Individual Clinical Observations

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 3

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER	GROUP: M3	DOSE: 10 PPM	DAYS 1-32 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C94503	T	5	SKIN & PELAGE SORE/SCAB DORSAL-THORACIC-LEFT DORSAL-THORACIC-RIGHT			29, 32 29, 32
C94504	T	5	ANIMAL HAS NO SIGNIFICANT FINDINGS			
C94505	T	5	ANIMAL HAS NO SIGNIFICANT FINDINGS			
C94506	T	5	ANIMAL HAS NO SIGNIFICANT FINDINGS			
C94507	T	5	ANIMAL HAS NO SIGNIFICANT FINDINGS			
C94508	T	5	ANIMAL HAS NO SIGNIFICANT FINDINGS			

000693

Appendix 2

Individual Clinical Observations

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 4

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER	GROUP: M4	DOSE: 30 PPM	DAYS 1-32 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C94509	T	5	ANIMAL HAS NO SIGNIFICANT FINDINGS			
C94510	T	5	ANIMAL HAS NO SIGNIFICANT FINDINGS			
C94511	T	5	ANIMAL HAS NO SIGNIFICANT FINDINGS			
C94512	T	5	ANIMAL HAS NO SIGNIFICANT FINDINGS			
C94513	T	5	ANIMAL HAS NO SIGNIFICANT FINDINGS			
C94514	T	5	ANIMAL HAS NO SIGNIFICANT FINDINGS			

000694

Appendix 2

Individual Clinical Observations

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 5

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER	GROUP: M5	DOSE: 100 PPM	DAYS 1-32 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C94515	T	5	ANIMAL HAS NO SIGNIFICANT FINDINGS			
C94516	T	5	ANIMAL HAS NO SIGNIFICANT FINDINGS			
C94517	T	5	ANIMAL HAS NO SIGNIFICANT FINDINGS			
C94518	T	5	ANIMAL HAS NO SIGNIFICANT FINDINGS			
C94519	T	5	ANIMAL HAS NO SIGNIFICANT FINDINGS			
C94520	T	5	ANIMAL HAS NO SIGNIFICANT FINDINGS			

000695

Appendix 2

Individual Clinical Observations

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 6

			CATEGORY	GROUP: M6	DOSE: 500 PPM		
ANIMAL	DEATH	WK OF	KEYWORD	DAYS 1-32 - OBSERVED DURING THE DAYS LISTED BELOW;			'C' - COMMENTS LISTED AT END OF OBSERVATIONS
NUMBER	CODE	DEATH	QUALIFIER				
C94521	T	5	ANIMAL HAS NO SIGNIFICANT FINDINGS				
C94522	T	5	ANIMAL HAS NO SIGNIFICANT FINDINGS				
C94523	D	4	ANIMAL HAS NO SIGNIFICANT FINDINGS				
C94524	T	5	ANIMAL HAS NO SIGNIFICANT FINDINGS				
C94525	T	5	ANIMAL HAS NO SIGNIFICANT FINDINGS				
C94526	T	5	ANIMAL HAS NO SIGNIFICANT FINDINGS				

000696

APPENDIX 3

Individual Body Weight Data (g)

Appendix 3

Individual Body Weight Data (g)

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 1

ANIMAL NUMBER	DAY 1	DAY 4	DAY 8	DAY 11	DAY 15	DAY 18	DAY 22	DAY 25	DAY 29	DAY 32
GROUP: MALE 1 - 0 PPM										
C94491	167	193	226	248	280	296	325	338	359	347
C94492	181	204	237	263	294	315	346	369	389	371
C94493	181	207	244	267	290	308	330	347	366	349
C94494	173	195	234	257	296	319	354	374	402	388
C94495	153	178	212	240	272	295	327	347	369	355
C94496	161	183	212	228	255	269	294	306	317	302
GROUP: MALE 2 - 1 PPM										
C94497	166	190	228	252	281	299	329	341	363	355
C94498	170	192	223	243	273	289	310	328	342	328
C94499	184	210	246	273	309	330	365	387	407	393
C94500	145	168	198	221	255	276	304	324	346	331
C94501	175	201	232	255	280	298	323	341	352	343
C94502	164	188	222	246	274	291	310	328	345	330
GROUP: MALE 3 - 10 PPM										
C94503	173	196	235	258	288	305	334	347	366	351
C94504	188	210	251	278	307	328	358	373	393	380
C94505	153	173	208	234	269	289	319	340	366	348
C94506	168	189	219	246	267	286	314	330	345	334
C94507	157	179	209	231	254	270	292	307	321	306
C94508	180	205	239	263	293	314	347	360	382	370
GROUP: MALE 4 - 30 PPM										
C94509	173	191	224	245	267	279	300	311	328	312
C94510	144	165	187	214	238	249	269	284	305	293
C94511	156	178	213	238	261	274	302	312	333	318
C94512	183	207	247	270	298	318	348	365	390	376

Appendix 3

Individual Body Weight Data (g)

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 2

ANIMAL NUMBER	DAY 1	DAY 4	DAY 8	DAY 11	DAY 15	DAY 18	DAY 22	DAY 25	DAY 29	DAY 32
GROUP: MALE 4 - 30 PPM										
C94513	163	185	219	243	271	290	321	341	364	344
C94514	178	202	236	261	290	305	335	353	378	363
GROUP: MALE 5 - 100 PPM										
C94515	169	190	222	248	276	292	319	334	351	340
C94516	154	172	201	223	250	261	289	306	317	304
C94517	194	217	249	265	292	310	330	346	363	346
C94518	162	185	213	235	261	279	305	320	337	325
C94519	156	179	213	236	267	281	308	324	342	326
C94520	171	191	225	247	279	293	321	334	351	332
GROUP: MALE 6 - 500 PPM										
C94521	155	170	188	201	217	226	243	250	256	236
C94522	176	194	203	222	229	251	261	270	279	255
C94523	171	182	203	218	228	236	238			
C94524	146	164	183	197	214	221	215	223	236	219
C94525	164	173	195	215	230	240	248	252	256	239
C94526	171	177	200	213	226	239	254	262	265	240
GROUP: FEMALE 1 - 0 PPM										
C94527	139	154	171	178	193	199	205	222	239	224
C94528	128	141	160	175	191	193	211	219	233	217
C94529	149	167	187	197	215	221	235	246	257	241
C94530	145	161	181	191	202	211	230	243	253	245
C94531	143	157	177	189	200	202	219	223	233	215
C94532	118	134	155	165	174	178	193	197	205	194

Appendix 3

Individual Body Weight Data (g)

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 3

ANIMAL NUMBER	DAY 1	DAY 4	DAY 8	DAY 11	DAY 15	DAY 18	DAY 22	DAY 25	DAY 29	DAY 32
GROUP: FEMALE 2 - 1 PPM										
C94533	130	146	165	172	184	194	206	212	227	211
C94534	135	149	164	176	185	197	209	214	221	207
C94535	136	162	178	179	195	205	219	224	242	225
C94536	125	146	161	171	180	188	205	216	225	213
C94537	143	160	177	184	200	209	225	237	248	231
C94538	123	139	157	165	176	186	196	205	215	201
GROUP: FEMALE 3 - 10 PPM										
C94539	141	163	180	188	203	212	225	238	243	227
C94540	132	143	162	170	178	181	186	193	198	185
C94541	158	182	195	201	210	226	241	257	267	245
C94542	144	157	176	202	233	227	236	244	256	252
C94543	115	127	145	151	160	166	174	178	183	178
C94544	120	133	148	156	174	181	189	198	206	196
GROUP: FEMALE 4 - 30 PPM										
C94545	135	141	160	169	178	184	192	201	209	196
C94546	130	150	170	180	194	200	217	230	242	228
C94547	153	171	189	201	216	223	240	250	263	245
C94548	121	134	152	160	172	178	186	198	208	196
C94549	141	150	169	183	198	203	216	222	230	216
C94550	128	138	155	170	181	184	196	201	211	195
GROUP: FEMALE 5 - 100 PPM										
C94551	114	129	142	149	158	164	176	180	189	180
C94552	146	158	173	184	193	197	208	215	222	211
C94553	141	165	184	194	207	213	220	227	231	215
C94554	130	142	157	167	177	180	192	195	204	193

Appendix 3

Individual Body Weight Data (g)

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 4

ANIMAL NUMBER	DAY 1	DAY 4	DAY 8	DAY 11	DAY 15	DAY 18	DAY 22	DAY 25	DAY 29	DAY 32
GROUP: FEMALE 5 - 100 PPM										
C94555	124	136	152	166	176	183	197	206	215	201
C94556	139	152	165	175	186	195	210	215	229	213
GROUP: FEMALE 6 - 500 PPM										
C94557	141	138	147	155	164	159	162	172	170	160
C94558	140	141	153	157	162	166	169	171	176	161
C94559	114	121	131	136	138	140	149	149	152	140
C94560	126	137	150	158	166	174	184	191	198	180
C94561	145	142	155	159	171	170	179	182	188	171
C94562	144	146	151	164	169	173	180	179	184	171

000701

APPENDIX 4

Individual Food Consumption Data (g)
Individual Test Material Consumption Data (mg/kg/day)

Appendix 4

Individual Food Consumption Data (g)

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 1

ANIMAL NUMBER	DAY 1	DAY 4	DAY 8	DAY 11	DAY 15	DAY 18	DAY 22	DAY 25
GROUP: MALE 1 - 0 PPM								
C94491	73	99	76	105	80	105	84	115
C94492	74	97	77	104	80	110	87	117
C94493	85	111	89	109	81	106	87	123
C94494	79	108	85	123	94	122	102	138
C94495	70	99	81	111	82	112	89	116
C94496	72	96	69	95	70	95	76	SPILLED
GROUP: MALE 2 - 1 PPM								
C94497	77	107	85	112	85	113	86	126
C94498	73	95	73	102	73	97	82	105
C94499	87	116	91	125	94	125	102	135
C94500	65	94	73	105	81	113	89	126
C94501	78	104	82	106	80	104	85	113
C94502	73	98	77	101	78	97	87	186
GROUP: MALE 3 - 10 PPM								
C94503	75	105	81	112	82	106	94	116
C94504	75	107	87	113	86	113	92	127
C94505	67	97	80	107	82	108	89	120
C94506	69	93	77	94	75	100	81	107
C94507	68	92	74	96	72	94	78	101
C94508	77	104	81	105	82	107	86	120
GROUP: MALE 4 - 30 PPM								
C94509	71	98	73	98	68	97	75	101
C94510	65	82	75	94	66	87	74	98
C94511	73	98	79	100	71	99	80	113
C94512	77	106	84	114	84	113	88	128

Appendix 4

Individual Food Consumption Data (g)

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEPOSE, T-6314) IN RATS

PAGE: 2

ANIMAL NUMBER	DAY 1	DAY 4	DAY 8	DAY 11	DAY 15	DAY 18	DAY 22	DAY 25
GROUP: MALE 4 - 30 PPM								
C94513	68	94	73	102	72	100	81	108
C94514	73	98	77	100	76	102	81	110
GROUP: MALE 5 - 100 PPM								
C94515	68	92	74	98	73	98	78	103
C94516	61	81	64	87	63	88	72	90
C94517	78	102	74	103	77	98	83	115
C94518	71	93	72	97	74	97	74	100
C94519	71	96	76	103	75	104	81	111
C94520	74	101	77	110	79	105	81	107
GROUP: MALE 6 - 500 PPM								
C94521	61	73	51	72	54	69	52	72
C94522	68	60	60	67	63	70	62	75
C94523	68	78	58	75	54	63	NOT TAKEN	
C94524	65	75	62	80	59	57	43	69
C94525	59	78	64	77	59	68	50	66
C94526	62	77	65	79	62	78	64	76
GROUP: FEMALE 1 - 0 PPM								
C94527	53	63	50	77	52	66	57	84
C94528	67	79	64	83	57	80	61	92
C94529	69	85	61	83	60	81	64	89
C94530	59	78	61	78	60	84	75	SPILLED
C94531	63	85	59	84	59	79	64	
C94532	52	72	54	72	59	74	53	

Appendix 4

Individual Food Consumption Data (g)

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 3

ANIMAL NUMBER	DAY 1	DAY 4	DAY 8	DAY 11	DAY 15	DAY 18	DAY 22	DAY 25
GROUP: FEMALE 2 - 1 PPM								
C94533	57	77	56	76	56	74	59	80
C94534	60	79	61	80	63	84	60	84
C94535	71	81	59	87	61	77	66	95
C94536	62	74	57	72	55	81	68	82
C94537	65	81	61	85	66	85	69	98
C94538	58	76	54	75	57	70	57	78
GROUP: FEMALE 3 - 10 PPM								
C94539	67	84	59	76	59	77	62	83
C94540	54	74	53	70	47	62	53	67
C94541	76	85	58	78	67	83	71	95
C94542	62	78	73	106	63	78	64	96
C94543	54	68	50	69	48	63	52	69
C94544	48	56	42	60	44	52	47	72
GROUP: FEMALE 4 - 30 PPM								
C94545	51	68	50	66	48	60	49	66
C94546	65	79	58	77	58	79	63	81
C94547	67	87	66	87	64	90	75	SPILLED
C94548	54	73	55	72	53	71	57	74
C94549	60	77	62	82	57	80	62	83
C94550	52	70	58	72	52	67	51	71
GROUP: FEMALE 5 - 100 PPM								
C94551	55	69	52	65	52	85	58	SPILLED
C94552	61	75	58	73	53	70	54	73
C94553	62	77	59	77	57	69	56	69
C94554	53	69	54	70	49	67	49	67

502000

Appendix 4

Individual Food Consumption Data (g)

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 4

ANIMAL NUMBER	DAY 1	DAY 4	DAY 8	DAY 11	DAY 15	DAY 18	DAY 22	DAY 25
GROUP: FEMALE 5 - 100 PPM								
C94555	55	70	57	73	52	73	57	75
C94556	60	73	54	72	57	76	57	82
GROUP: FEMALE 6 - 500 PPM								
C94557	43	49	44	54	31	46	40	45
C94558	60	55	45	53	42	52	41	61
C94559	48	54	40	44	32	46	33	45
C94560	53	62	46	63	46	58	49	59
C94561	46	46	44	60	43	56	44	61
C94562	54	49	49	SPIILLED	52	51	42	55

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 1

ANIMAL NUMBER	DAY 1	DAY 4	DAY 8	DAY 11	DAY 15	DAY 18	DAY 22	DAY 25
GROUP: MALE 2 - 1 PPM								
C94497	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
C94498	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
C94499	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
C94500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
C94501	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
C94502	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
GROUP: MALE 3 - 10 PPM								
C94503	1.4	1.2	1.1	1.0	0.9	0.8	0.9	0.8
C94504	1.3	1.2	1.1	1.0	0.9	0.8	0.8	0.8
C94505	1.4	1.3	1.2	1.1	1.0	0.9	0.9	0.8
C94506	1.3	1.1	1.1	0.9	0.9	0.8	0.8	0.8
C94507	1.3	1.2	1.1	1.0	0.9	0.8	0.9	0.8
C94508	1.3	1.2	1.1	0.9	0.9	0.8	0.8	0.8
GROUP: MALE 4 - 30 PPM								
C94509	3.9	3.5	3.1	2.9	2.5	2.5	2.5	2.4
C94510	4.2	3.5	3.7	3.1	2.7	2.5	2.7	2.5
C94511	4.4	3.8	3.5	3.0	2.7	2.6	2.6	2.6
C94512	3.9	3.5	3.2	3.0	2.7	2.5	2.5	2.5
C94513	3.9	3.5	3.2	3.0	2.6	2.5	2.4	2.3
C94514	3.8	3.4	3.1	2.7	2.6	2.4	2.4	2.3
GROUP: MALE 5 - 100 PPM								
C94515	12.6	11.2	10.5	9.4	8.6	8.0	8.0	7.5
C94516	12.5	10.9	10.1	9.2	8.2	8.0	8.1	7.2
C94517	12.7	10.9	9.6	9.2	8.5	7.7	8.2	8.1
C94518	13.6	11.7	10.7	9.8	9.1	8.3	7.9	7.6

Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 2

ANIMAL NUMBER	DAY 1	DAY 4	DAY 8	DAY 11	DAY 15	DAY 18	DAY 22	DAY 25
GROUP: MALE 5 - 100 PPM								
C94519	14.1	12.2	11.3	10.2	9.1	8.8	8.5	8.3
C94520	13.6	12.1	10.9	10.5	9.2	8.6	8.2	7.8
GROUP: MALE 6 - 500 PPM								
C94521	62.6	51.0	43.7	43.1	40.6	36.8	35.2	35.6
C94522	61.3	37.8	47.1	37.1	43.8	34.2	38.9	34.2
C94523	64.2	50.6	45.9	42.0	38.8	33.2	NOT TAKEN	NOT TAKEN
C94524	69.9	54.0	54.4	48.7	45.2	32.7	32.7	37.6
C94525	58.4	53.0	52.0	43.3	41.8	34.8	33.3	32.5
C94526	59.4	51.1	52.5	45.0	44.4	39.6	41.3	36.1
GROUP: FEMALE 2 - 1 PPM								
C94533	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
C94534	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
C94535	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
C94536	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
C94537	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
C94538	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
GROUP: FEMALE 3 - 10 PPM								
C94539	1.5	1.2	1.1	1.0	0.9	0.9	0.9	0.9
C94540	1.3	1.2	1.1	1.0	0.9	0.8	0.9	0.9
C94541	1.5	1.1	1.0	0.9	1.0	0.9	1.0	0.9
C94542	1.4	1.2	1.3	1.2	0.9	0.8	0.9	1.0
C94543	1.5	1.3	1.1	1.1	1.0	0.9	1.0	1.0
C94544	1.3	1.0	0.9	0.9	0.8	0.7	0.8	0.9

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Appendix 4

Individual Test Material Consumption Data (mg/kg/day)

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 3

ANIMAL NUMBER	DAY 1	DAY 4	DAY 8	DAY 11	DAY 15	DAY 18	DAY 22	DAY 25
GROUP: FEMALE 4 - 30 PPM								
C94545	3.7	3.4	3.0	2.9	2.7	2.4	2.5	2.4
C94546	4.6	3.7	3.3	3.1	2.9	2.8	2.8	2.6
C94547	4.1	3.6	3.4	3.1	2.9	2.9	3.1	SPIILLED
C94548	4.2	3.8	3.5	3.3	3.0	2.9	3.0	2.7
C94549	4.1	3.6	3.5	3.2	2.8	2.9	2.8	2.8
C94550	3.9	3.6	3.6	3.1	2.8	2.6	2.6	2.6
GROUP: FEMALE 5 - 100 PPM								
C94551	15.1	12.7	11.9	10.6	10.8	12.5	10.9	SPIILLED
C94552	13.4	11.3	10.8	9.7	9.1	8.6	8.5	8.4
C94553	13.5	11.0	10.4	9.6	9.0	8.0	8.4	7.5
C94554	13.0	11.5	11.1	10.2	9.2	9.0	8.4	8.4
C94555	14.1	12.2	11.9	10.7	9.7	9.6	9.4	8.9
C94556	13.7	11.5	10.6	10.0	10.0	9.4	8.9	9.2
GROUP: FEMALE 6 - 500 PPM								
C94557	51.4	43.0	48.6	42.3	32.0	35.8	39.9	32.9
C94558	71.2	46.8	48.4	41.5	42.7	38.8	40.2	43.9
C94559	68.1	53.6	49.9	40.1	38.4	39.8	36.9	37.4
C94560	67.2	54.0	49.8	48.6	45.1	40.5	43.6	37.9
C94561	53.4	38.7	46.7	45.5	42.0	40.1	40.6	41.2
C94562	62.1	41.2	51.9	SPIILLED	50.7	36.1	39.0	37.9

APPENDIX 5

Individual Clinical Hematology Data
Individual Clinical Chemistry Data
Individual Clinical Urinalysis Data

Appendix 5

Covance 6329-224
3M T-6314.2

Individual Clinical Hematology Data

Males Week 5

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

ANIMAL NUMBER	RBC X10 ⁶ /μL	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT X10 ³ /μL

Group: 1	Dose Level: 0		Dosage Unit: ppm MeFOS				
C94491	7.82	15.3	45.6	58.2	19.6	33.6	1220
C94492	7.56	15.5	46.4	61.4	20.5	33.4	985
C94493	7.47	14.9	44.8	60.0	20.0	33.3	940
C94494	6.91	14.9	43.7	63.3	21.6	34.1	989
C94495	6.61	13.9	41.2	62.3	21.0	33.8	986
C94496	7.39	15.3	45.7	61.9	20.8	33.5	808
MEAN	7.29	15.0	44.6	61.2	20.6	33.6	988
S.D.	.448	.58	1.89	1.82	.72	.29	133.1
N	6	6	6	6	6	6	6
Group: 2	Dose Level: 1		Dosage Unit: ppm MeFOS				
C94497	7.43	15.0	45.3	61.0	20.2	33.2	969
C94498	7.06	15.0	44.4	62.9	21.3	33.9	1170
C94499	7.09	14.5	42.6	60.0	20.4	34.1	949
C94500	7.23	13.6	40.5	56.0	18.9	33.7	1301
C94501	7.68	15.2	46.2	60.2	19.8	32.9	877
C94502	7.55	14.6	45.3	60.0	19.4	32.3	1079
MEAN	7.34	14.6	44.1	60.0	20.0	33.4	1058
S.D.	.253	.58	2.12	2.26	.84	.68	157.9
N	6	6	6	6	6	6	6
Group: 3	Dose Level: 10		Dosage Unit: ppm MeFOS				
C94503	6.96	14.2	42.0	60.3	20.5	33.9	1139
C94504	7.06	15.1	44.3	62.8	21.4	34.1	1036
C94505	7.41	15.2	45.3	61.1	20.6	33.7	1204
C94506	7.44	14.9	44.0	59.2	20.0	33.8	1012
C94507	7.44	14.5	43.1	58.0	19.4	33.5	899
C94508	7.31	15.3	45.2	61.9	20.9	33.8	977
MEAN	7.27	14.9	44.0	60.6	20.5	33.8	1044
S.D.	.209	.43	1.27	1.76	.70	.20	110.7
N	6	6	6	6	6	6	6

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Appendix 5

Covance 6329-224
3M T-6314.2

Individual Clinical Hematology Data

Males Week 5

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

ANIMAL NUMBER	RBC X10 ⁶ /μL	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT X10 ³ /μL

Group: 4	Dose Level: 30		Dosage Unit: ppm MeFOS				
C94509	7.53	15.1	44.0	58.4	20.0	34.2	1009
C94510	7.38	15.0	45.2	61.2	20.3	33.2	770
C94511	7.63	15.3	45.7	59.9	20.0	33.4	1016
C94512	7.39	15.6	45.5	61.6	21.1	34.3	1121
C94513	7.25	14.5	43.2	59.5	20.0	33.7	1116
C94514	7.23	14.5	43.6	60.3	20.1	33.3	1310
MEAN	7.40	15.0	44.5	60.2	20.2	33.7	1057
S.D.	.156	.44	1.07	1.16	.43	.47	177.7
N	6	6	6	6	6	6	6
Group: 5	Dose Level: 100		Dosage Unit: ppm MeFOS				
C94515	6.08	12.9	38.3	62.9	21.2	33.8	1052
C94516	6.40	14.1	40.9	63.8	22.0	34.4	1069
C94517	7.99	16.2	47.9	60.0	20.3	33.8	1114
C94518	6.86	14.5	43.0	62.8	21.1	33.6	1251
C94519	7.61	15.3	46.0	60.5	20.1	33.2	894
C94520	7.08	14.3	42.4	59.8	20.2	33.8	1306
MEAN	7.00	14.6	43.1	61.6	20.8	33.8	1114
S.D.	.719	1.12	3.46	1.73	.75	.39	148.3
N	6	6	6	6	6	6	6
Group: 6	Dose Level: 500		Dosage Unit: ppm MeFOS				
C94521	5.18	11.8	33.6	64.8	22.8	35.1	1059
C94522	6.57	13.5	39.3	59.9	20.5	34.3	899
C94524	5.63	11.6	34.1	60.5	20.6	34.0	677
C94525	5.58	11.3	33.5	60.0	20.3	33.8	1069
C94526	6.54	13.2	39.5	60.4	20.1	33.3	1132
MEAN	5.90	12.3	36.0	61.1	20.9	34.1	967
S.D.	.623	1.00	3.11	2.07	1.10	.67	183.6
N	5	5	5	5	5	5	5

Appendix 5

Covance 6329-224
3M T-6314.2

Individual Clinical Hematology Data

Males Week 5

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

ANIMAL NUMBER	WBC X10 ³ /μL	N-SEG X10 ³ /μL	LYMPH X10 ³ /μL	MONO X10 ³ /μL	EOSIN X10 ³ /μL	BASO X10 ³ /μL	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%

Group: 1	Dose Level: 0		Dosage Unit: ppm MeFOS								
C94491	14.7	.8	12.5	1.2	.1	.1	6	85	8	1	1
C94492	11.2	1.2	9.3	.6	.1	.0	10	83	6	1	0
C94493	13.6	1.3	10.9	.9	.5	.0	9	80	7	3	0
C94494	13.3	1.7	10.3	1.1	.2	.0	13	78	8	1	0
C94495	6.0	.5	5.4	.2	.0	.0	8	89	3	0	0
C94496	10.5	.8	8.1	1.4	.2	.0	7	77	14	2	0
MEAN	11.6	1.0	9.4	.9	.2	.0	9	82	8	1	0
S.D.	3.14	.43	2.46	.44	.17	.04	2.5	4.6	3.6	1.0	.4
N	6	6	6	6	6	6	6	6	6	6	6
Group: 2	Dose Level: 1		Dosage Unit: ppm MeFOS								
C94497	7.4	1.0	6.0	.4	.1	.0	13	80	6	1	0
C94498	9.1	1.0	7.7	.4	.1	.0	11	84	4	1	0
C94499	11.9	1.4	9.5	.8	.1	.0	12	80	7	1	0
C94500	16.7	2.8	12.3	1.5	.0	.1	17	74	9	0	0
C94501	14.5	.8	12.6	.9	.1	.0	6	87	6	1	0
C94502	10.8	1.1	8.7	.8	.1	.0	10	81	7	1	0
MEAN	11.7	1.4	9.5	.8	.1	.0	12	81	6	1	0
S.D.	3.43	.74	2.59	.40	.04	.04	3.6	4.4	1.6	.4	.0
N	6	6	6	6	6	6	6	6	6	6	6
Group: 3	Dose Level: 10		Dosage Unit: ppm MeFOS								
C94503	15.8	2.2	12.3	1.2	.2	.0	14	78	7	1	0
C94504	18.4	1.0	16.4	.7	.2	.1	6	89	4	1	0
C94505	11.2	1.3	9.1	.7	.1	.0	12	81	6	1	0
C94506	16.2	2.1	12.9	.9	.3	.0	13	80	6	2	0
C94507	5.2	1.0	3.2	.9	.0	.0	20	62	16	1	1
C94508	15.1	1.0	13.4	.6	.1	.0	7	89	4	1	0
MEAN	13.6	1.4	11.2	.8	.2	.0	12	80	7	1	0
S.D.	4.76	.57	4.57	.22	.10	.04	5.1	9.9	4.5	.4	.4
N	6	6	6	6	6	6	6	6	6	6	6

Covance 6329-224
3M T-6314.2

Males Week 5

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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Appendix 5

Covance 6329-224
3M T-6314.2

Individual Clinical Hematology Data

Males Week 5

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

ANIMAL NUMBER	ANISO	POLY	POIK	HYPO	TOXNEUT

Group: 1	Dose Level: 0		Dosage Unit: ppm MeFOS		
C94491	-	-	-	-	-
C94492	-	-	-	-	-
C94493	-	-	-	-	-
C94494	-	-	-	-	-
C94495	-	-	-	-	-
C94496	-	-	-	-	-
Group: 2	Dose Level: 1		Dosage Unit: ppm MeFOS		
C94497	-	-	-	-	-
C94498	-	-	-	-	-
C94499	-	-	-	-	-
C94500	-	-	-	-	-
C94501	-	-	-	-	-
C94502	-	-	-	-	-
Group: 3	Dose Level: 10		Dosage Unit: ppm MeFOS		
C94503	-	-	-	-	-
C94504	-	-	-	-	-
C94505	-	-	-	-	-
C94506	-	-	-	-	-
C94507	-	-	-	-	-
C94508	-	-	-	-	-
Group: 4	Dose Level: 30		Dosage Unit: ppm MeFOS		
C94509	-	-	-	-	-
C94510	-	-	-	-	-
C94511	-	-	-	-	-
C94512	-	-	-	-	-
C94513	-	-	-	-	-
C94514	-	-	-	-	-

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Appendix 5

Covance 6329-224
3M T-6314.2

Individual Clinical Hematology Data

Males Week 5

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

ANIMAL NUMBER	ANISO	POLY	POIK	HYPO	TOXNEUT

Group: 5	Dose Level: 100		Dosage Unit: ppm MeFOS		
C94515	-	-	-	-	-
C94516	-	-	-	-	-
C94517	-	-	-	-	-
C94518	-	-	-	-	-
C94519	-	-	-	-	-
C94520	-	-	-	-	-
Group: 6	Dose Level: 500		Dosage Unit: ppm MeFOS		
C94521	-	-	-	-	-
C94522	-	-	-	-	-
C94524	-	-	-	-	-
C94525	-	-	-	-	-
C94526	-	-	-	-	-

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Appendix 5

Covance 6329-224
3M T-6314.2

Individual Clinical Hematology Data

Females Week 5

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

ANIMAL NUMBER	RBC X10 ⁶ /μL	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT X10 ³ /μL

Group: 1	Dose Level: 0	Dosage Unit: ppm MeFOS					
C94527	6.11	13.8	40.5	66.2	22.6	34.2	939
C94528	6.96	14.6	43.4	62.3	21.0	33.8	1072
C94529	7.65	15.6	46.1	60.2	20.4	33.9	979
C94530	6.86	14.3	41.6	60.7	20.8	34.3	1031
C94531	7.77	15.1	45.1	58.1	19.4	33.4	903
C94532	7.37	15.1	44.2	59.9	20.5	34.2	1148
MEAN	7.12	14.8	43.5	61.2	20.8	34.0	1012
S.D.	.613	.65	2.12	2.78	1.05	.34	90.3
N	6	6	6	6	6	6	6
Group: 2	Dose Level: 1	Dosage Unit: ppm MeFOS					
C94533	7.65	16.0	46.5	60.7	20.9	34.4	1226
C94534	7.82	15.7	45.7	58.5	20.1	34.3	974
C94535	7.11	14.9	44.4	62.4	21.0	33.7	1109
C94536	7.28	15.2	44.7	61.5	20.9	34.0	921
C94537	7.56	15.4	46.0	60.9	20.4	33.5	898
C94538	7.03	14.6	42.8	60.9	20.8	34.2	904
MEAN	7.41	15.3	45.0	60.8	20.7	34.0	1005
S.D.	.316	.51	1.34	1.29	.35	.35	133.7
N	6	6	6	6	6	6	6
Group: 3	Dose Level: 10	Dosage Unit: ppm MeFOS					
C94539	8.09	17.0	49.8	61.6	21.0	34.1	1041
C94540	6.98	14.7	44.8	64.1	21.1	32.9	830
C94541	7.43	15.3	45.9	61.8	20.6	33.4	919
C94542	8.11	16.4	48.5	59.8	20.2	33.7	1156
C94543	7.83	15.6	46.1	58.9	20.0	34.0	1065
C94544	7.25	14.6	43.5	60.0	20.2	33.6	845
MEAN	7.62	15.6	46.4	61.0	20.5	33.6	976
S.D.	.466	.95	2.34	1.87	.46	.44	131.4
N	6	6	6	6	6	6	6

Appendix 5

Covance 6329-224
3M T-6314.2

Individual Clinical Hematology Data

Females Week 5

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

ANIMAL NUMBER	RBC X10 ⁶ /μL	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT X10 ³ /μL

Group: 4	Dose Level: 30		Dosage Unit: ppm MeFOS				
C94545	7.11	14.7	42.8	60.1	20.6	34.3	934
C94546	7.09	14.5	42.2	59.5	20.5	34.4	1058
C94547	7.17	14.9	42.9	59.7	20.7	34.7	1021
C94548	7.07	14.5	43.0	60.8	20.5	33.7	950
C94549	6.97	14.6	42.6	61.1	21.0	34.3	1106
C94550	7.73	15.8	47.1	60.9	20.5	33.6	1092
MEAN	7.19	14.8	43.4	60.4	20.6	34.2	1027
S.D.	.272	.50	1.82	.67	.20	.43	72.2
N	6	6	6	6	6	6	6
Group: 5	Dose Level: 100		Dosage Unit: ppm MeFOS				
C94551	7.45	14.8	43.4	58.2	19.9	34.1	1016
C94552	7.22	14.8	43.0	59.5	20.5	34.5	1061
C94553	7.33	14.8	44.0	60.1	20.2	33.7	1228
C94554	6.87	14.4	42.8	62.3	21.0	33.7	1075
C94555	8.05	16.1	47.2	58.6	19.9	34.1	1165
C94556	7.46	14.9	44.2	59.2	19.9	33.6	871
MEAN	7.40	15.0	44.1	59.6	20.2	33.9	1069
S.D.	.386	.58	1.61	1.46	.45	.34	123.8
N	6	6	6	6	6	6	6
Group: 6	Dose Level: 500		Dosage Unit: ppm MeFOS				
C94557	5.96	12.4	35.6	59.7	20.8	34.9	759
C94558	6.34	12.3	36.6	57.8	19.5	33.7	1027
C94559	6.12	11.1	31.6	51.7	18.2	35.2	1057
C94560	6.09	12.6	37.1	60.9	20.7	34.0	1091
C94561	6.53	13.1	37.9	58.0	20.1	34.6	1255
C94562	7.00	14.4	42.3	60.4	20.6	34.1	1065
MEAN	6.34	12.6	36.8	58.1	20.0	34.4	1042
S.D.	.381	1.08	3.47	3.37	1.00	.58	160.5
N	6	6	6	6	6	6	6

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Covance 6329-224
3M T-6314.2

Individual Clinical Hematology Data

Females Week 5

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

ANIMAL NUMBER	WBC X10 ³ /μL	N-SEG X10 ³ /μL	LYMPH X10 ³ /μL	MONO X10 ³ /μL	EOSIN X10 ³ /μL	BASO X10 ³ /μL	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
Group: 1	Dose Level: 0		Dosage Unit: ppm MeFOS								
C94527	5.6	1.2	4.1	.2	.1	.0	21	74	4	1	0
C94528	2.8	.2	2.5	.1	.0	.0	9	88	2	1	0
C94529	12.0	.5	9.4	2.0	.1	.1	4	78	17	1	0
C94530	7.4	.6	5.8	.9	.1	.0	8	79	12	1	0
C94531	5.0	.6	4.2	.2	.1	.0	11	84	4	1	0
C94532	10.0	.5	8.8	.6	.1	.0	5	88	6	1	0
MEAN	7.1	.6	5.8	.7	.1	.0	10	82	8	1	0
S.D.	3.40	.33	2.77	.72	.04	.04	6.1	5.7	5.8	.0	.0
N	6	6	6	6	6	6	6	6	6	6	6
Group: 2	Dose Level: 1		Dosage Unit: ppm MeFOS								
C94533	12.1	.8	10.8	.4	.1	.0	7	90	3	1	0
C94534	4.4	.2	3.8	.4	.0	.0	5	86	8	0	0
C94535	8.5	.9	7.1	.3	.2	.0	11	84	3	2	0
C94536	4.3	.3	3.7	.2	.0	.0	8	86	5	1	0
C94537	5.7	.9	4.3	.4	.0	.0	16	76	7	1	0
C94538	13.1	.4	12.0	.6	.1	.0	3	92	5	0	0
MEAN	8.0	.6	7.0	.4	.1	.0	8	86	5	1	0
S.D.	3.87	.32	3.68	.13	.08	.00	4.6	5.6	2.0	.8	.0
N	6	6	6	6	6	6	6	6	6	6	6
Group: 3	Dose Level: 10		Dosage Unit: ppm MeFOS								
C94539	12.3	1.2	9.8	1.2	.1	.0	10	80	10	1	0
C94540	5.4	.4	4.5	.5	.1	.0	7	84	8	1	0
C94541	9.9	.5	8.4	.8	.1	.0	5	85	8	1	0
C94542	5.3	.4	4.7	.1	.1	.0	8	88	2	1	0
C94543	9.2	.4	8.3	.4	.1	.0	4	90	4	1	0
C94544	5.6	.3	4.8	.5	.0	.0	6	85	8	1	0
MEAN	8.0	.5	6.8	.6	.1	.0	7	85	7	1	0
S.D.	2.94	.33	2.34	.38	.04	.00	2.2	3.4	3.0	.0	.0
N	6	6	6	6	6	6	6	6	6	6	6

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Females Week 5

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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Covance 6329-224
3M T-6314.2

Individual Clinical Hematology Data

Females Week 5

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

ANIMAL NUMBER	ANISO	POLY	POIK	HYPO	TOXNEUT
-----	-----	-----	-----	-----	-----
Group: 1	Dose Level: 0			Dosage Unit: ppm MeFOS	
C94527	-	-	-	-	-
C94528	-	-	-	-	-
C94529	-	-	-	-	-
C94530	-	-	-	-	-
C94531	-	-	-	-	-
C94532	-	-	-	-	-
Group: 2	Dose Level: 1			Dosage Unit: ppm MeFOS	
C94533	-	-	-	-	-
C94534	-	-	-	-	-
C94535	-	-	-	-	-
C94536	-	-	-	-	-
C94537	-	-	-	-	-
C94538	-	-	-	-	-
Group: 3	Dose Level: 10			Dosage Unit: ppm MeFOS	
C94539	-	-	-	-	-
C94540	-	-	-	-	-
C94541	-	-	-	-	-
C94542	-	-	-	-	-
C94543	-	-	-	-	-
C94544	-	-	-	-	-
Group: 4	Dose Level: 30			Dosage Unit: ppm MeFOS	
C94545	-	-	-	-	-
C94546	-	-	-	-	-
C94547	-	-	-	-	-
C94548	-	-	-	-	-
C94549	-	-	-	-	-
C94550	-	-	-	-	-

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Covance 6329-224
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Individual Clinical Hematology Data

Females Week 5

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

ANIMAL NUMBER	ANISO	POLY	POIK	HYPO	TOXNEUT

Group: 5	Dose Level: 100		Dosage Unit: ppm MeFOS		
C94551	-	-	-	-	-
C94552	-	-	-	-	-
C94553	-	-	-	-	-
C94554	-	-	-	-	-
C94555	-	-	-	-	-
C94556	-	-	-	-	-
Group: 6	Dose Level: 500		Dosage Unit: ppm MeFOS		
C94557	-	-	-	-	-
C94558	-	-	-	-	-
C94559	1	-	-	-	-
C94560	-	-	-	-	-
C94561	-	-	-	-	-
C94562	-	-	-	-	-

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Covance 6329-224
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Individual Clinical Chemistry Data

Males Week 5

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

ANIMAL NUMBER	GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL

Group: 1	Dose Level: 0		Dosage Unit: ppm MeFOS					
C94491	140	15	.5	6.3	4.6	1.7	.3	56
C94492	194	14	.8	6.4	4.8	1.6	.2	50
C94493	211	13	.5	5.6	4.1	1.5	.0	49
C94494	149	16	.8	6.3	4.6	1.7	.2	56
C94495	111	13	.5	6.2	4.7	1.5	.1	33
C94496	127	12	.7	6.0	4.3	1.7	.1	37
MEAN	155	14	.6	6.1	4.5	1.6	.2	47
S.D.	39.1	1.5	.15	.29	.26	.10	.10	9.7
N	6	6	6	6	6	6	6	6
Group: 2	Dose Level: 1		Dosage Unit: ppm MeFOS					
C94497	133	15	1.0	6.3	4.5	1.8	.1	43
C94498	124	10	.6	6.9	5.0	1.9	.0	80
C94499	165	16	.7	6.3	4.5	1.8	.0	56
C94500	139	11	.4	5.8	4.2	1.6	.2	48
C94501	123	12	.5	6.3	4.7	1.6	.2	48
C94502	124	15	.7	6.3	4.6	1.7	.2	56
MEAN	135	13	.6	6.3	4.6	1.7	.1	55
S.D.	16.2	2.5	.21	.35	.26	.12	.10	13.2
N	6	6	6	6	6	6	6	6
Group: 3	Dose Level: 10		Dosage Unit: ppm MeFOS					
C94503	129	12	.5	6.2	4.4	1.8	.2	43
C94504	197	11	.6	6.4	4.6	1.8	.0	28
C94505	137	15	.9	6.2	4.4	1.8	.4	40
C94506	128	10	.3	5.9	4.4	1.5	.0	65
C94507	98	13	.7	6.0	4.6	1.4	.3	37
C94508	136	13	.5	6.0	4.4	1.6	.2	50
MEAN	138	12	.6	6.1	4.5	1.6	.2	44
S.D.	32.5	1.8	.20	.18	.10	.18	.16	12.6
N	6	6	6	6	6	6	6	6

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Individual Clinical Chemistry Data

Males Week 5

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

ANIMAL NUMBER	GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
Group: 4	Dose Level: 30	Dosage Unit: ppm MeFOS						
C94509	119	13	.4	5.7	4.4	1.3	.0	30
C94510	97	14	.6	6.0	4.4	1.6	.2	30
C94511	122	11	.6	6.0	4.4	1.6	.4	39
C94512	184	12	.7	6.7	4.9	1.8	.2	59
C94513	196	11	.5	6.0	4.4	1.6	.0	35
C94514	126	14	.8	6.7	4.7	2.0	.3	44
MEAN	141	12	.6	6.2	4.5	1.6	.2	40
S.D.	39.7	1.4	.14	.42	.22	.23	.16	11.0
N	6	6	6	6	6	6	6	6
Group: 5	Dose Level: 100	Dosage Unit: ppm MeFOS						
C94515	167	16	.6	5.8	4.5	1.3	.0	55
C94516	80	15	.7	6.0	4.7	1.3	.0	43
C94517	80	13	.6	6.1	4.8	1.3	.1	7
C94518	90	18	.8	6.9	5.1	1.8	.2	53
C94519	119	16	.5	5.9	4.4	1.5	.1	23
C94520	161	15	.7	6.8	5.1	1.7	.0	30
MEAN	116	16	.6	6.2	4.8	1.5	.1	35
S.D.	39.8	1.6	.10	.48	.29	.22	.08	18.7
N	6	6	6	6	6	6	6	6
Group: 6	Dose Level: 500	Dosage Unit: ppm MeFOS						
C94521	97	22	.6	6.0	5.2	.8	1.0	4
C94522	120	23	.9	6.1	5.1	1.0	.4	1
C94524	82	17	.7	6.2	5.0	1.2	.5	0
C94525	121	22	.2	5.5	4.6	.9	.8	0
C94526	116	24	.7	6.4	5.6	.8	1.0	1
MEAN	107	22	.6	6.0	5.1	.9	.7	1
S.D.	17.1	2.7	.26	.34	.36	.17	.28	1.6
N	5	5	5	5	5	5	5	5

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Covance 6329-224
3M T-6314.2

Individual Clinical Chemistry Data

Males Week 5

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

ANIMAL NUMBER	AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L	PCOAO IU/G
Group: 1 Dose Level: 0 Dosage Unit: ppm MeFOS									
C94491	97	29	0	11.1	12.1	149	7.2	102	10
C94492	91	37	0	11.2	13.5	146	9.4	103	6
C94493	97	37	0	10.9	12.5	147	6.4	100	9
C94494	90	34	0	10.7	11.5	146	6.1	101	11
C94495	102	34	0	10.6	11.1	153	5.9	102	8
C94496	101	36	0	11.0	12.0	148	7.4	103	10
MEAN	96	34	0	10.9	12.1	148	7.1	102	9
S.D.	5.0	3.0	.0	.23	.84	2.6	1.29	1.2	1.8
N	6	6	6	6	6	6	6	6	6
Group: 2 Dose Level: 1 Dosage Unit: ppm MeFOS									
C94497	98	34	1	11.2	14.9	147	9.7	100	8
C94498	168	36	0	11.5	12.5	149	6.8	101	10
C94499	114	41	1	11.1	10.8	148	6.2	101	13
C94500	115	40	0	11.1	11.6	147	6.6	100	6
C94501	112	31	0	11.0	10.7	151	6.0	103	10
C94502	94	13	0	11.0	12.3	147	9.8	103	7
MEAN	117	32	0	11.2	12.1	148	7.5	101	9
S.D.	26.6	10.3	.5	.19	1.54	1.6	1.75	1.4	2.5
N	6	6	6	6	6	6	6	6	6
Group: 3 Dose Level: 10 Dosage Unit: ppm MeFOS									
C94503	89	27	0	11.6	12.4	145	7.8	101	5
C94504	95	30	0	11.5	10.9	148	7.0	101	6
C94505	98	39	0	12.0	15.5	145	11.2	101	7
C94506	96	39	0	10.9	11.2	148	6.5	102	9
C94507	121	38	0	11.0	10.7	153	6.1	103	8
C94508	154	37	0	11.0	10.4	147	6.2	101	10
MEAN	109	35	0	11.3	11.8	148	7.5	102	8
S.D.	24.7	5.2	.0	.44	1.92	2.9	1.93	.8	1.9
N	6	6	6	6	6	6	6	6	6

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Covance 6329-224
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Individual Clinical Chemistry Data

Males Week 5

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

ANIMAL NUMBER	AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L	PCOAO IU/G
Group: 4 Dose Level: 30 Dosage Unit: ppm MeFOS									
C94509	89	28	0	10.7	11.6	148	7.1	104	5
C94510	104	40	0	10.7	11.7	150	6.9	104	9
C94511	85	34	1	11.3	11.6	149	7.2	104	7
C94512	109	42	0	11.8	9.9	148	5.7	101	5
C94513	86	29	1	11.5	11.0	148	6.5	100	9
C94514	87	42	0	11.2	9.9	149	6.4	101	11
MEAN	93	36	0	11.2	11.0	149	6.6	102	8
S.D.	10.4	6.4	.5	.44	.85	.8	.56	1.9	2.4
N	6	6	6	6	6	6	6	6	6
Group: 5 Dose Level: 100 Dosage Unit: ppm MeFOS									
C94515	126	48	0	10.2	10.3	147	6.4	101	7
C94516	106	51	0	10.3	11.0	149	7.4	104	5
C94517	147	45	0	11.2	12.8	147	8.5	102	7
C94518	143	70	0	11.0	11.5	147	7.7	100	6
C94519	99	40	0	10.5	10.9	147	7.4	101	7
C94520	108	37	0	11.8	11.3	149	6.1	97	7
MEAN	122	48	0	10.8	11.3	148	7.2	101	6
S.D.	20.3	11.7	.0	.62	.84	1.0	.88	2.3	.8
N	6	6	6	6	6	6	6	6	6
Group: 6 Dose Level: 500 Dosage Unit: ppm MeFOS									
C94521	100	92	0	10.5	11.6	148	8.0	104	36
C94522	316	569	0	11.0	10.1	145	8.3	100	33
C94524	164	240	0	10.2	12.3	145	8.1	101	27
C94525	125	138	0	9.8	10.9	142	8.9	100	27
C94526	122	73	0	10.7	9.2	144	7.8	102	35
MEAN	165	222	0	10.4	10.8	145	8.2	101	32
S.D.	87.3	204.3	.0	.46	1.22	2.2	.42	1.7	4.3
N	5	5	5	5	5	5	5	5	5

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Individual Clinical Chemistry Data

Females Week 5

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

ANIMAL NUMBER	GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
Group: 1	Dose Level: 0		Dosage Unit: ppm MeFOS					
C94527	82	15	.5	5.9	4.5	1.4	.0	38
C94528	112	15	.8	7.1	5.5	1.6	.0	57
C94529	110	13	.5	5.8	4.7	1.1	.0	53
C94530	104	13	.8	5.9	4.6	1.3	.1	41
C94531	101	13	1.1	6.2	5.1	1.1	.2	27
C94532	111	13	.8	7.6	5.9	1.7	.2	53
MEAN	103	14	.8	6.4	5.0	1.4	.1	45
S.D.	11.3	1.0	.23	.75	.56	.25	.10	11.5
N	6	6	6	6	6	6	6	6
Group: 2	Dose Level: 1		Dosage Unit: ppm MeFOS					
C94533	128	14	.9	6.8	5.1	1.7	.1	55
C94534	88	14	.7	6.4	4.9	1.5	.4	73
C94535	104	18	.9	6.3	5.2	1.1	.2	46
C94536	81	14	.4	5.9	4.9	1.0	.2	43
C94537	131	16	.5	6.5	5.0	1.5	.2	52
C94538	139	14	.4	6.9	5.6	1.3	.3	63
MEAN	112	15	.6	6.5	5.1	1.4	.2	55
S.D.	24.3	1.7	.23	.36	.26	.27	.10	11.1
N	6	6	6	6	6	6	6	6
Group: 3	Dose Level: 10		Dosage Unit: ppm MeFOS					
C94539	144	12	.6	6.9	5.5	1.4	.1	47
C94540	90	12	.5	5.8	4.6	1.2	.2	42
C94541	90	16	.7	6.2	4.9	1.3	.2	46
C94542	86	15	.8	6.3	4.9	1.4	.2	31
C94543	93	10	.6	6.3	5.1	1.2	.1	48
C94544	91	18	.6	6.6	5.4	1.2	.3	64
MEAN	99	14	.6	6.4	5.1	1.3	.2	46
S.D.	22.2	3.0	.10	.37	.34	.10	.08	10.7
N	6	6	6	6	6	6	6	6

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Individual Clinical Chemistry Data

Females Week 5

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

ANIMAL NUMBER	GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
Group: 4 Dose Level: 30 Dosage Unit: ppm MeFOS								
C94545	137	11	.5	5.8	4.5	1.3	.0	55
C94546	122	13	.5	5.8	4.6	1.2	.4	69
C94547	158	19	.9	6.5	5.2	1.3	.1	54
C94548	83	12	.7	6.6	5.3	1.3	.2	39
C94549	125	16	.4	5.8	4.7	1.1	.1	52
C94550	160	20	1.0	7.8	6.3	1.5	.0	54
MEAN	131	15	.7	6.4	5.1	1.3	.1	54
S.D.	28.4	3.8	.24	.79	.67	.13	.15	9.5
N	6	6	6	6	6	6	6	6
Group: 5 Dose Level: 100 Dosage Unit: ppm MeFOS								
C94551	101	16	.5	5.9	5.0	.9	.3	19
C94552	158	29	.8	7.0	5.6	1.4	.2	39
C94553	147	14	.5	6.9	5.8	1.1	.2	46
C94554	107	14	.7	7.2	5.8	1.4	.3	64
C94555	76	15	.8	7.1	5.7	1.4	.2	40
C94556	81	15	.8	6.3	5.2	1.1	.1	19
MEAN	112	17	.7	6.7	5.5	1.2	.2	38
S.D.	33.9	5.8	.15	.52	.34	.21	.08	17.1
N	6	6	6	6	6	6	6	6
Group: 6 Dose Level: 500 Dosage Unit: ppm MeFOS								
C94557	100	21	.4	6.8	5.8	1.0	.5	1
C94558	86	23	.6	7.3	6.1	1.2	.2	2
C94559	105	28	.8	6.1	5.4	.7	.5	6
C94560	85	32	.7	7.1	5.9	1.2	1.0	8
C94561	138	25	.4	7.3	6.2	1.1	.6	10
C94562	85	25	.8	7.3	6.1	1.2	.3	17
MEAN	100	26	.6	7.0	5.9	1.1	.5	7
S.D.	20.6	3.9	.18	.48	.29	.20	.28	5.9
N	6	6	6	6	6	6	6	6

Appendix 5

Covance 6329-224
3M T-6314.2

Individual Clinical Chemistry Data

Females Week 5

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

ANIMAL NUMBER	AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L	PCOAO IU/G
Group: 1 Dose Level: 0 Dosage Unit: ppm MeFOS									
C94527	95	29	0	10.3	12.0	147	9.2	106	7
C94528	130	26	2	11.0	12.6	148	8.2	101	5
C94529	110	25	0	11.5	12.5	146	9.2	104	5
C94530	98	32	0	10.3	11.1	146	7.6	103	3
C94531	102	27	0	10.4	10.1	148	5.6	102	7
C94532	92	25	1	11.8	11.3	147	7.5	102	4
MEAN	104	27	0	10.9	11.6	147	7.9	103	5
S.D.	14.0	2.7	.8	.66	.95	.9	1.34	1.8	1.6
N	6	6	6	6	6	6	6	6	6
Group: 2 Dose Level: 1 Dosage Unit: ppm MeFOS									
C94533	113	32	0	11.3	14.6	145	10.6	102	5
C94534	128	30	1	11.3	11.7	151	7.2	105	6
C94535	107	29	2	11.3	12.9	146	9.1	104	5
C94536	102	31	0	10.7	10.7	148	6.2	104	9
C94537	111	31	0	12.1	13.9	144	9.6	103	7
C94538	82	29	0	11.7	10.8	148	6.8	103	4
MEAN	107	30	0	11.4	12.4	147	8.2	104	6
S.D.	15.1	1.2	.8	.47	1.63	2.5	1.76	1.0	1.8
N	6	6	6	6	6	6	6	6	6
Group: 3 Dose Level: 10 Dosage Unit: ppm MeFOS									
C94539	113	26	0	11.6	11.2	146	8.2	101	7
C94540	128	19	0	10.1	10.2	144	9.9	103	5
C94541	102	28	0	11.7	13.4	146	8.7	104	6
C94542	109	33	0	11.0	13.1	145	10.0	102	9
C94543	102	21	0	10.8	11.7	148	8.1	105	7
C94544	197	34	0	11.3	11.7	147	8.7	103	6
MEAN	125	27	0	11.1	11.9	146	8.9	103	7
S.D.	36.5	6.1	.0	.59	1.20	1.4	.83	1.4	1.4
N	6	6	6	6	6	6	6	6	6

Appendix 5

Covance 6329-224
3M T-6314.2

Individual Clinical Chemistry Data

Females Week 5

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

ANIMAL NUMBER	AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L	PCOAO IU/G
Group: 4 Dose Level: 30 Dosage Unit: ppm MeFOS									
C94545	105	29	1	10.9	10.2	147	6.8	104	7
C94546	94	30	0	11.2	11.3	145	7.9	101	3
C94547	81	25	4	11.1	10.0	145	6.0	102	11
C94548	142	41	0	10.5	9.9	151	5.8	103	7
C94549	91	23	1	10.6	11.8	143	8.5	102	4
C94550	88	20	0	12.2	9.8	147	7.3	102	5
MEAN	100	28	1	11.1	10.5	146	7.0	102	6
S.D.	22.0	7.4	1.5	.61	.84	2.7	1.06	1.0	2.9
N	6	6	6	6	6	6	6	6	6
Group: 5 Dose Level: 100 Dosage Unit: ppm MeFOS									
C94551	101	33	0	11.0	12.8	146	8.4	102	11
C94552	91	28	0	11.5	11.1	146	7.8	103	3
C94553	76	20	0	12.4	10.4	146	7.1	102	9
C94554	82	31	0	11.1	10.6	146	7.7	104	7
C94555	94	32	0	11.6	12.5	149	7.7	102	9
C94556	94	31	0	11.0	11.6	148	7.1	104	11
MEAN	90	29	0	11.4	11.5	147	7.6	103	8
S.D.	9.1	4.8	.0	.54	.99	1.3	.49	1.0	3.0
N	6	6	6	6	6	6	6	6	6
Group: 6 Dose Level: 500 Dosage Unit: ppm MeFOS									
C94557	95	57	0	11.2	10.9	147	6.5	102	46
C94558	128	49	0	10.5	10.3	149	6.4	99	22
C94559	145	67	0	10.4	10.4	148	7.6	107	20
C94560	117	54	0	11.1	11.6	147	7.4	99	26
C94561	130	89	0	11.7	10.9	146	7.5	101	45
C94562	90	43	0	10.6	9.7	151	5.7	103	22
MEAN	118	60	0	10.9	10.6	148	6.8	102	30
S.D.	21.4	16.4	.0	.50	.65	1.8	.77	3.0	12.0
N	6	6	6	6	6	6	6	6	6

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Covance 6329-224
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Individual Clinical Urinalysis Data

Males Week 5

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

ANIMAL NUMBER	U VOL ML	SP GR	U PH
Group: 1 Dose Level: 0 Dosage Unit: ppm MeFOS			
C94491	5.7	1.032	7.0
C94492	31.5	1.010	7.5
C94493	26.9	1.010	7.5
C94494	19.0	1.015	7.5
C94495	9.4	1.026	7.5
C94496	18.5	1.010	7.5
MEAN	18.5	1.017	7.4
S.D.	9.86	.0096	.20
N	6	6	6
Group: 2 Dose Level: 1 Dosage Unit: ppm MeFOS			
C94497	10.2	1.020	7.0
C94498	48.9 a	1.005	7.0
C94499	4.4	1.029	7.5
C94500	7.4	1.026	7.0
C94501	47.0 a	1.004	7.5
C94502	48.3 a	1.007	7.5
MEAN	27.7	1.015	7.2
S.D.	22.39	.0112	.27
N	6	6	6
Group: 3 Dose Level: 10 Dosage Unit: ppm MeFOS			
C94503	35.0	1.010	7.0
C94504	14.3	1.013	7.0
C94505	44.9	1.008	7.0
C94506	14.7	1.012	7.5
C94507	41.7	1.006	7.0
C94508	19.8	1.012	7.5
MEAN	28.4	1.010	7.2
S.D.	13.81	.0027	.26
N	6	6	6

a Sample was overflowing at the time of collection.

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Covance 6329-224
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Individual Clinical Urinalysis Data

Males Week 5

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

ANIMAL NUMBER	U VOL ML	SP GR	U PH

Group: 4	Dose Level: 30	Dosage Unit: ppm MeFOS	
C94509	37.0	1.005	6.5
C94510	22.8	1.012	7.0
C94511	9.5	1.023	7.0
C94512	26.0	1.012	7.0
C94513	48.5 a	1.008	7.0
C94514	12.4	1.020	7.0
MEAN	26.0	1.013	6.9
S.D.	14.80	.0069	.20
N	6	6	6
Group: 5	Dose Level: 100	Dosage Unit: ppm MeFOS	
C94515	7.5	1.034	6.5
C94516	7.3	1.028	6.5
C94517	3.0	1.030	8.0
C94518	10.6	1.025	7.0
C94519	17.3	1.016	6.5
C94520	49.8 a	1.005	7.0
MEAN	15.9	1.023	6.9
S.D.	17.26	.0107	.58
N	6	6	6
Group: 6	Dose Level: 500	Dosage Unit: ppm MeFOS	
C94521	17.5	1.014	7.0
C94522	43.9 a	1.007	7.0
C94524	26.4	1.010	7.0
C94525	4.6	1.038	6.5
C94526	9.6	1.024	6.5
MEAN	20.4	1.019	6.8
S.D.	15.52	.0126	.27
N	5	5	5

a Sample was overflowing at the time of collection.

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Covance 6329-224
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Individual Clinical Urinalysis Data

Males Week 5

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

ANIMAL NUMBER	U PRO MG/DL	U GLU	U KET	U BILI	U BLOOD	UROBILI
-----	-----	-----	-----	-----	-----	-----
Group: 1	Dose Level: 0					
					Dosage Unit: ppm MeFOS	
C94491	30	-	++	-	-	-
C94492	30	-	-	-	-	-
C94493	10	-	-	-	-	-
C94494	10	-	++	-	-	-
C94495	30	-	++	-	-	-
C94496	30	-	+	-	-	-
Group: 2	Dose Level: 1					
					Dosage Unit: ppm MeFOS	
C94497	30	-	+	-	-	-
C94498	10	-	-	-	-	-
C94499	100	-	+	-	-	-
C94500	30	-	+	-	+	-
C94501	0	-	-	-	-	-
C94502	10	-	-	-	-	-
Group: 3	Dose Level: 10					
					Dosage Unit: ppm MeFOS	
C94503	10	-	-	-	+	-
C94504	30	-	-	-	-	-
C94505	10	-	-	-	-	-
C94506	30	-	-	-	-	-
C94507	10	-	-	-	-	-
C94508	10	-	-	-	-	-
Group: 4	Dose Level: 30					
					Dosage Unit: ppm MeFOS	
C94509	0	-	-	-	-	-
C94510	10	-	+	-	-	-
C94511	30	-	++	-	-	-
C94512	10	-	-	-	-	-
C94513	10	-	-	-	-	-
C94514	30	-	-	-	-	-

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Individual Clinical Urinalysis Data

Males Week 5

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

ANIMAL NUMBER	U PRO MG/DL	U GLU	U KET	U BILI	U BLOOD	UROBILI
Group: 5	Dose Level: 100	Dosage Unit: ppm MeFOS				
C94515	30	-	++	-	+	-
C94516	30	-	++	-	-	-
C94517	100	-	+++	-	++	-
C94518	10	-	++	-	-	-
C94519	10	-	+++	-	-	-
C94520	0	-	+	-	-	-
Group: 6	Dose Level: 500	Dosage Unit: ppm MeFOS				
C94521	10	-	+	-	-	-
C94522	0	-	+	-	-	-
C94524	10	-	+++	-	-	-
C94525	30	-	+	-	-	-
C94526	10	-	+++	-	-	-

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Covance 6329-224
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Individual Clinical Urinalysis Data

Males Week 5

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

ANIMAL NUMBER	RBC PER HPF	WBC PER HPF	EPITH PER HPF	BACT PER HPF	CASTS PER LPF	CRYSTALS PER LPF1	URINE APPI	COMMENTS
Group: 1	Dose Level: 0		Dosage Unit: ppm MeFOS					
C94491	1	0	0	2	0	4D	CJ	P
C94492	0	0	1	2	0	4D	BJ	Q
C94493	0	0	1	1	0	4D	BJ	P
C94494	0	0	1	1	0	4D	BJ	PQ
C94495	0	0	1	2	0	4D	BJ	PQ
C94496	0	0	1	1	0	4D	AJ	Q
Group: 2	Dose Level: 1		Dosage Unit: ppm MeFOS					
C94497	0	0	1	2	0	4D	BJ	PQ
C94498	0	0	1	3	0	3B1D	AJ	Q
C94499	0	0	1	1	0	4D	CJ	PQ
C94500	0	4	1	2	0	4D	BK	Q
C94501	0	0	1	1	0	4D	AJ	Q
C94502	0	0	1	2	0	4D	BJ	Q
Group: 3	Dose Level: 10		Dosage Unit: ppm MeFOS					
C94503	0	0	1	1	0	3D	AJ	Q
C94504	0	0	1	1	0	0	BJ	Q
C94505	0	0	1	2	0	0	BJ	Q
C94506	0	0	1	2	0	4D	BJ	Q
C94507	0	0	1	2	0	0	AJ	PQ
C94508	1	0	1	1	0	3D	BJ	Q
Group: 4	Dose Level: 30		Dosage Unit: ppm MeFOS					
C94509	0	0	0	1	0	0	AJ	Q
C94510	0	0	1	1	0	4D	BJ	PQ
C94511	0	0	1	1	0	4D	BJ	Q
C94512	0	0	1	1	0	1D	BJ	Q
C94513	0	0	1	3	0	3D	BJ	Q
C94514	0	0	0	1	0	4D	BJ	-

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Individual Clinical Urinalysis Data

Males Week 5

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

ANIMAL NUMBER	RBC PER HPF	WBC PER HPF	EPITH PER HPF	BACT PER HPF	CASTS PER LPF	CRYSTALS PER LPF1	URINE APPI	COMMENTS
Group: 5 Dose Level: 100 Dosage Unit: ppm MeFOS								
C94515	3	0	1	1	0	4D	CJ	PQ
C94516	0	0	1	2	0	3D	BJ	PQ
C94517	0	0	0	3	0	2B4D	FL	Q
C94518	0	0	1	2	0	4D	BJ	PQ
C94519	0	0	1	1	0	3D	BJ	PQ
C94520	0	0	1	1	0	0	AJ	Q
Group: 6 Dose Level: 500 Dosage Unit: ppm MeFOS								
C94521	0	0	0	1	0	2D	BJ	Q
C94522	0	0	0	1	0	0	AJ	-
C94524	0	0	0	1	0	4D	BJ	-
C94525	0	0	1	2	0	1D	CJ	Q
C94526	0	1	1	1	0	4D	BJ	PQ

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3M T-6314.2

Individual Clinical Urinalysis Data

Females Week 5

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

ANIMAL NUMBER	U VOL ML	SP GR	U PH
Group: 1 Dose Level: 0 Dosage Unit: ppm MeFOS			
C94527	14.5	1.015	7.5
C94528	7.1	1.022	6.5
C94529	49.0 a	1.004	7.0
C94530	48.0	1.005	7.0
C94531	15.0	1.010	7.5
C94532	50.0 a	1.002	7.0
MEAN	30.6	1.010	7.1
S.D.	20.36	.0077	.38
N	6	6	6
Group: 2 Dose Level: 1 Dosage Unit: ppm MeFOS			
C94533	11.6	1.013	7.5
C94534	17.1	1.005	6.5
C94535	15.0	1.010	7.0
C94536	14.0	1.013	7.0
C94537	46.6 a	1.004	7.0
C94538	50.0 a	1.004	7.0
MEAN	25.7	1.008	7.0
S.D.	17.62	.0044	.32
N	6	6	6
Group: 3 Dose Level: 10 Dosage Unit: ppm MeFOS			
C94539	46.8 a	1.002	6.5
C94540	47.0 a	1.003	7.0
C94541	28.2	1.010	7.0
C94542	9.9	1.018	7.0
C94543	16.8	1.002	7.0
C94544	14.0	1.010	7.0
MEAN	27.1	1.008	6.9
S.D.	16.49	.0064	.20
N	6	6	6

a Sample was overflowing at the time of collection.

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Covance 6329-224
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Individual Clinical Urinalysis Data

Females Week 5

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

ANIMAL NUMBER	U VOL ML	SP GR	U PH
Group: 4 Dose Level: 30 Dosage Unit: ppm MeFOS			
C94545	16.5	1.010	7.5
C94546	5.4	1.028	6.5
C94547	3.4	1.026	7.0
C94548	28.0	1.008	7.0
C94549	14.8	1.010	7.5
C94550	21.6	1.006	7.0
MEAN	15.0	1.015	7.1
S.D.	9.40	.0097	.38
N	6	6	6
Group: 5 Dose Level: 100 Dosage Unit: ppm MeFOS			
C94551	24.0	1.007	7.5
C94552	10.7	1.010	7.0
C94553	30.0	1.008	7.0
C94554	49.0 a	1.003	7.0
C94555	50.0 a	1.003	7.0
C94556	10.3	1.018	6.5
MEAN	29.0	1.008	7.0
S.D.	17.62	.0056	.32
N	6	6	6
Group: 6 Dose Level: 500 Dosage Unit: ppm MeFOS			
C94557	15.0	1.010	7.0
C94558	9.6	1.016	7.0
C94559	11.6	1.013	6.5
C94560	4.0	1.006	7.5
C94561	40.2	1.005	7.0
C94562	8.2	1.015	7.0
MEAN	14.8	1.011	7.0
S.D.	12.98	.0046	.32
N	6	6	6

a Sample was overflowing at the time of collection.

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Covance 6329-224
3M T-6314.2

Individual Clinical Urinalysis Data

Females Week 5

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

ANIMAL NUMBER	U PRO MG/DL	U GLU	U KET	U BILI	U BLOOD	UROBILI

Group: 1	Dose Level: 0	Dosage Unit: ppm MeFOS				
C94527	10	-	-	-	-	-
C94528	10	-	-	-	-	-
C94529	0	-	-	-	-	-
C94530	0	-	-	-	-	-
C94531	10	-	-	-	-	-
C94532	0	-	-	-	-	-
Group: 2	Dose Level: 1	Dosage Unit: ppm MeFOS				
C94533	0	-	-	-	-	-
C94534	0	-	-	-	-	-
C94535	10	-	-	-	-	-
C94536	0	-	-	-	-	-
C94537	0	-	-	-	-	-
C94538	0	-	-	-	-	-
Group: 3	Dose Level: 10	Dosage Unit: ppm MeFOS				
C94539	0	-	-	-	-	-
C94540	0	-	-	-	-	-
C94541	0	-	-	-	-	-
C94542	10	-	-	-	-	-
C94543	0	-	-	-	-	-
C94544	0	-	-	-	-	-
Group: 4	Dose Level: 30	Dosage Unit: ppm MeFOS				
C94545	10	-	-	-	-	-
C94546	10	-	-	-	-	-
C94547	10	-	-	-	-	-
C94548	0	-	-	-	-	-
C94549	10	-	-	-	-	-
C94550	0	-	-	-	-	-

Appendix 5

Covance 6329-224
3M T-6314.2

Individual Clinical Urinalysis Data

Females Week 5

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

ANIMAL NUMBER	U PRO MG/DL	U GLU	U KET	U BILI	U BLOOD	UROBILI

Group: 5	Dose Level: 100		Dosage Unit: ppm MeFOS			
C94551	0	-	-	-	-	-
C94552	0	-	-	-	-	-
C94553	0	-	-	-	-	-
C94554	0	-	-	-	-	-
C94555	0	-	-	-	-	-
C94556	0	-	-	-	-	-

Group: 6	Dose Level: 500		Dosage Unit: ppm MeFOS			
C94557	0	-	-	-	-	-
C94558	10	-	++	-	-	-
C94559	0	-	+++	-	-	-
C94560	0	-	-	-	-	-
C94561	0	-	-	-	-	-
C94562	0	-	-	-	-	-

Appendix 5

Covance 6329-224
3M T-6314.2

Individual Clinical Urinalysis Data

Females Week 5

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

ANIMAL NUMBER	RBC PER HPF	WBC PER HPF	EPITH PER HPF	BACT PER HPF	CASTS PER LPF	CRYSTALS PER LPF1	URINE APPL	COMMENTS

Group: 1	Dose Level: 0		Dosage Unit: ppm MeFOS					
C94527	0	0	1	2	0	4D	BJ	-
C94528	0	0	1	1	0	1D	BJ	-
C94529	0	0	1	1	0	0	AJ	-
C94530	0	0	1	1	0	4D	AJ	-
C94531	0	1	1	1	0	3D	BJ	-
C94532	0	0	1	2	0	4B	AJ	-
Group: 2	Dose Level: 1		Dosage Unit: ppm MeFOS					
C94533	0	0	0	1	0	4D	BJ	P
C94534	0	0	0	2	0	0	AJ	-
C94535	0	0	1	2	0	0	BJ	P
C94536	0	0	1	1	0	4D	BJ	-
C94537	0	4	1	1	0	0	AJ	-
C94538	0	0	0	1	0	3D	AJ	-
Group: 3	Dose Level: 10		Dosage Unit: ppm MeFOS					
C94539	0	0	0	2	0	2B	AJ	-
C94540	0	0	1	1	0	0	AJ	-
C94541	0	0	0	1	0	0	AJ	-
C94542	0	0	1	1	0	4D	BJ	-
C94543	0	0	0	1	0	1D	BJ	-
C94544	0	0	0	1	0	0	BJ	-
Group: 4	Dose Level: 30		Dosage Unit: ppm MeFOS					
C94545	1	4	1	2	0	2B4D	BJ	-
C94546	0	0	1	1	0	0	CJ	-
C94547	0	0	1	1	0	4D	BJ	-
C94548	0	0	1	1	0	4D	BJ	-
C94549	0	0	1	1	0	4D	CJ	-
C94550	0	1	0	1	0	0	AJ	-

Appendix 5

Covance 6329-224
3M T-6314.2

Individual Clinical Urinalysis Data

Females Week 5

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

ANIMAL NUMBER	RBC PER HPF	WBC PER HPF	EPITH PER HPF	BACT PER HPF	CASTS PER LPF	CRYSTALS PER LPF1	URINE APP1	COMMENTS

Group: 5	Dose Level: 100		Dosage Unit: ppm MeFOS					
C94551	0	0	1	1	0	0	AJ	-
C94552	0	0	1	1	0	0	AJ	-
C94553	0	0	1	1	0	0	AJ	-
C94554	0	0	0	1	0	0	AJ	-
C94555	0	0	1	1	0	0	AJ	-
C94556	0	1	1	1	0	0	BJ	P
Group: 6	Dose Level: 500		Dosage Unit: ppm MeFOS					
C94557	0	0	1	2	0	0	BJ	-
C94558	0	0	1	2	0	0	BJ	-
C94559	0	0	1	1	0	0	BJ	-
C94560	0	0	1	1	0	0	AJ	-
C94561	0	0	0	1	0	1D	AJ	-
C94562	0	0	0	1	0	3D	BJ	-

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APPENDIX 6

Individual Absolute Organ Weight Data (g)
Individual Organ-to-Body Weight Percentages
Individual Organ-to-Brain Weight Ratios
Individual Animal Pathology Data

APPENDIX 6

Individual Absolute Organ Weight Data (g)

Terminal Sacrifice

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 1

TABLE INCLUDES:
SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=T; SUBSET=ALL

: AD - ADRENAL, BR - BRAIN, EP - EPIDIDYMIDES
: KD - KIDNEY, LI - LIVER, OV - OVARY
ORGAN ABBREVIATION: SP - SPLEEN, TE - TESTIS, TH - THYMUS

SEX GROUP	DOSE NUMBER	ANIMAL BODY WT (g)	TERMINAL WT (g)	AD	BR	EP	KD	LI	OV	SP	TE	TH
M	1	C94491	335.4	0.0612	2.1109	1.0347	3.6123	14.0407		0.9276	3.4698	0.5026
M	1	C94492	361.6	0.0515	1.9843	0.8785	3.2546	13.6908		0.7517	2.9808	0.5711
M	1	C94493	339.1	0.0563	1.9218	0.8731	3.6572	12.4081		0.7500	2.8478	0.4336
M	1	C94494	379.4	0.0634	2.1238	1.0167	3.7571	14.3488		0.7848	3.2911	0.6600
M	1	C94495	343.5	0.0416	2.1985	0.8446	3.2033	13.3219		0.8125	2.9317	0.9318
M	1	C94496	291.7	0.0725	2.0137	0.8805	2.9056	9.6607		0.8029	2.8137	0.5241
NUMBER IN GROUP:				6	6	6	6	6		6	6	6
MEAN:				341.8	0.0577	2.0588	0.9214	3.3984	12.9118	0.8049	3.0558	0.6039
STANDARD DEV:				29.6	0.0106	0.1028	0.0821	0.3295	1.7284	0.0654	0.2644	0.1774
M	2	C94497	345.7	0.0579	1.8832	0.8967	2.5682	11.7523		0.7741	2.8943	0.5496
M	2	C94498	321.0	0.0630	2.0462	0.9478	2.8116	11.9965		0.5888	2.7400	0.6983
M	2	C94499	384.3	0.0454	2.0893	0.8275	3.4950	14.2738		0.8183	3.0946	0.9560
M	2	C94500	320.2	0.0575	2.1243	0.8480	3.5756	11.9975		0.7821	2.7896	0.8007
M	2	C94501	332.4	0.0621	2.0688	0.9718	3.0639	11.6636		0.8350	2.9111	0.5562
M	2	C94502	323.8	0.0565	1.9994	0.8940	3.1062	13.0440		0.7124	3.2586	0.5391
NUMBER IN GROUP:				6	6	6	6	6		6	6	6
MEAN:				337.9	0.0571	2.0352	0.8976	3.1034	12.4546	0.7518	2.9480	0.6833
STANDARD DEV:				24.7	0.0063	0.0854	0.0555	0.3872	1.0193	0.0904	0.1952	0.1692
M	3	C94503	338.4	0.0719	1.8517	1.0084	3.4730	12.6442		0.9372	3.3072	0.7104
M	3	C94504	369.1	0.0644	2.0698	0.8887	3.7053	13.2875		0.7590	2.8135	0.8812
M	3	C94505	337.9	0.0562	2.1689	1.0062	3.3038	13.4179		0.6947	3.1618	0.6890

** CONTINUED ON NEXT PAGE **

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APPENDIX 6

Individual Absolute Organ Weight Data (g)

Terminal Sacrifice

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 2

TABLE INCLUDES:
SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=T; SUBSET=ALL

ORGAN ABBREVIATION: AD - ADRENAL, BR - BRAIN, EP - EPIDIDYMIDES
: KD - KIDNEY, LI - LIVER, OV - OVARY
SP - SPLEEN, TE - TESTIS, TH - THYMUS

SEX	DOSE GROUP	ANIMAL NUMBER	TERMINAL BODY WT (g)	AD	BR	EP	KD	LI	OV	SP	TE	TH
M	3	C94506	322.1	0.0479	1.8990	0.9847	3.3090	12.2100	0.7515	2.6611	0.5349	
M	3	C94507	298.0	0.0676	2.0294	0.8627	2.9125	11.2672	0.6989	3.2209	0.5221	
M	3	C94508	357.8	0.0567	2.0861	1.1055	3.3758	13.4521	0.8250	2.8780	0.7962	
NUMBER IN GROUP:			6	6	6	6	6	6	6	6	6	
MEAN:			337.2	0.0608	2.0175	0.9760	3.3466	12.7132	0.7777	3.0071	0.6890	
STANDARD DEV:			25.3	0.0088	0.1200	0.0886	0.2597	0.8627	0.0914	0.2583	0.1418	
M	4	C94509	301.9	0.0566	2.1850	0.9372	3.0753	10.1043	0.5576	3.0521	0.6354	
M	4	C94510	282.3	0.0478	2.0063	0.7471	2.9461	10.3504	0.7116	2.6666	0.4856	
M	4	C94511	308.5	0.0530	2.0354	0.8228	2.9192	12.4616	0.6977	2.6572	0.5913	
M	4	C94512	365.6	0.0377	1.9763	0.9490	3.1823	13.9926	0.7251	3.1206	0.5207	
M	4	C94513	330.7	0.0538	2.2273	0.8336	3.5906	13.3383	0.6600	2.9338	0.5986	
M	4	C94514	349.8	0.0630	2.3348	0.9083	3.6837	13.7000	0.8910	3.1234	0.6808	
NUMBER IN GROUP:			6	6	6	6	6	6	6	6	6	
MEAN:			323.1	0.0520	2.1275	0.8663	3.2329	12.3245	0.7072	2.9256	0.5854	
STANDARD DEV:			31.3	0.0086	0.1430	0.0785	0.3284	1.7057	0.1085	0.2156	0.0721	
M	5	C94515	331.8	0.0545	2.1887	0.8303	3.4080	17.4565	0.6778	3.0282	0.7223	
M	5	C94516	295.2	0.0456	2.0552	0.7772	3.1619	16.0421	0.7592	3.0667	0.7229	
M	5	C94517	337.9	0.0725	1.9646	1.1014	3.6453	15.5417	0.6331	3.1028	0.5009	
M	5	C94518	316.7	0.0549	2.0189	0.7763	3.1469	19.5437	0.7817	2.7821	0.7942	

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APPENDIX 6

Individual Absolute Organ Weight Data (g)
Terminal Sacrifice

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 3

TABLE INCLUDES:

SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=T; SUBSET=ALL

: AD - ADRENAL, BR - BRAIN, EP - EPIDIDYMIDES
: KD - KIDNEY, LI - LIVER, OV - OVARY
ORGAN ABBREVIATION: SP - SPLEEN, TE - TESTIS, TH - THYMUS

SEX	DOSE GROUP	ANIMAL NUMBER	TERMINAL BODY WT (g)	AD	BR	EP	KD	LI	OV	SP	TE	TH
M	5	C94519	317.4	0.0522	2.1524	0.7815	3.0339	14.5708		0.7127	2.8462	0.5508
M	5	C94520	325.4	0.0485	2.1764	0.8017	3.3572	17.1128		0.4740	3.0040	0.6690
NUMBER IN GROUP:				6	6	6	6	6	6	6	6	6
MEAN:				320.7	2.0927	0.8447	3.2922	16.7113		0.6731	2.9717	0.6600
STANDARD DEV:				15.0	0.0094	0.0928	0.1274	1.7399		0.1114	0.1282	0.1124
M	6	C94521	226.3	0.0436	1.8883	0.6830	2.3557	20.2477		0.6046	3.1040	0.6047
M	6	C94522	243.9	0.0735	1.9366	0.7866	2.8945	19.4615		0.5137	3.2106	0.4000
M	6	C94524	211.8	0.0573	1.9767	0.6364	2.4286	18.0054		0.6151	2.4897	0.3243
M	6	C94525	228.0	0.0507	2.1492	0.7775	2.5308	19.5937		0.6822	3.1146	0.4146
M	6	C94526	229.1	0.0596	2.0535	0.7748	2.7529	20.7386		0.4943	3.0650	0.5015
NUMBER IN GROUP:				5	5	5	5	5	5	5	5	5
MEAN:				227.8	2.0009	0.7317	2.5925	19.6094		0.5820	2.9968	0.4490
STANDARD DEV:				11.4	0.0112	0.1027	0.0679	1.0341		0.0775	0.2885	0.1074

APPENDIX 6

Individual Absolute Organ Weight Data (g)

Terminal Sacrifice

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 4

TABLE INCLUDES:

SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=T; SUBSET=ALL

ORGAN ABBREVIATION: TT - THYROID/PARATHYR

SEX	DOSE GROUP	ANIMAL NUMBER	TERMINAL BODY WT (g)	TT
M	1	C94491	335.4	0.0223
M	1	C94492	361.6	0.0177
M	1	C94493	339.1	0.0177
M	1	C94494	379.4	0.0299
M	1	C94495	343.5	0.0189
M	1	C94496	291.7	0.0172
NUMBER IN GROUP:			6	6
MEAN:			341.8	0.0206
STANDARD DEV:			29.6	0.0049
M	2	C94497	345.7	0.0295
M	2	C94498	321.0	0.0252
M	2	C94499	384.3	0.0216
M	2	C94500	320.2	0.0213
M	2	C94501	332.4	0.0155
M	2	C94502	323.8	0.0273
NUMBER IN GROUP:			6	6
MEAN:			337.9	0.0234
STANDARD DEV:			24.7	0.0050
M	3	C94503	338.4	0.0198
M	3	C94504	369.1	0.0231
M	3	C94505	337.9	0.0230

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APPENDIX 6

Individual Absolute Organ Weight Data (g)

Terminal Sacrifice

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 5

TABLE INCLUDES:

SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=T; SUBSET=ALL

ORGAN ABBREVIATION: TT - THYROID/PARATHYR

SEX	DOSE GROUP	ANIMAL NUMBER	TERMINAL BODY WT (g)	TT
M	3	C94506	322.1	0.0189
M	3	C94507	298.0	0.0224
M	3	C94508	357.8	0.0282
NUMBER IN GROUP:			6	6
MEAN:			337.2	0.0226
STANDARD DEV:			25.3	0.0033
M	4	C94509	301.9	0.0160
M	4	C94510	282.3	0.0192
M	4	C94511	308.5	0.0111
M	4	C94512	365.6	0.0254
M	4	C94513	330.7	0.0216
M	4	C94514	349.8	0.0304
NUMBER IN GROUP:			6	6
MEAN:			323.1	0.0206
STANDARD DEV:			31.3	0.0068
M	5	C94515	331.8	0.0252
M	5	C94516	295.2	0.0201
M	5	C94517	337.9	0.0207
M	5	C94518	316.7	0.0203

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APPENDIX 6

Individual Absolute Organ Weight Data (g)

Terminal Sacrifice

PAGE: 6

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

TABLE INCLUDES:

SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=T; SUBSET=ALL

ORGAN ABBREVIATION: TT - THYROID/PARATHYR

SEX	DOSE GROUP	ANIMAL NUMBER	TERMINAL BODY WT (g)	TT
M	5	C94519	317.4	0.0172
M	5	C94520	325.4	0.0278
NUMBER IN GROUP:			6	6
MEAN:			320.7	0.0219
STANDARD DEV:			15.0	0.0039
M	6	C94521	226.3	0.0149
M	6	C94522	243.9	0.0172
M	6	C94524	211.8	0.0191
M	6	C94525	228.0	0.0303
M	6	C94526	229.1	0.0172
NUMBER IN GROUP:			5	5
MEAN:			227.8	0.0197
STANDARD DEV:			11.4	0.0061

APPENDIX 6

Individual Absolute Organ Weight Data (g)

Terminal Sacrifice

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 7

TABLE INCLUDES:

SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=T; SUBSET=ALL

: AD - ADRENAL, BR - BRAIN, EP - EPIDIDYMIDES
: KD - KIDNEY, LI - LIVER, OV - OVARY
ORGAN ABBREVIATION: SP - SPLEEN, TE - TESTIS, TH - THYMUS

SEX	DOSE GROUP	ANIMAL NUMBER	TERMINAL BODY WT (g)	AD	BR	EP	KD	LI	OV	SP	TE	TH
F	1	C94527	213.0	0.0715	2.0013		2.0130	7.4326	0.1162	0.5561		0.4566
F	1	C94528	210.0	0.0706	1.9160		1.9295	7.8862	0.0945	0.3804		0.6013
F	1	C94529	228.8	0.1022	1.9228		2.6260	8.7876	0.1418	0.6896		0.6188
F	1	C94530	235.2	0.0605	2.0288		2.1802	8.2680	0.1644	0.5085		0.5445
F	1	C94531	207.8	0.0655	1.9550		2.0538	7.5010	0.1314	0.4679		0.5398
F	1	C94532	184.7	0.0682	1.9062		1.7582	6.6326	0.1150	0.4453		0.5121
NUMBER IN GROUP:			6	6	6		6	6	6	6		6
MEAN:			213.3	0.0731	1.9550		2.0935	7.7513	0.1272	0.5080		0.5455
STANDARD DEV:			17.8	0.0148	0.0500		0.2961	0.7450	0.0243	0.1069		0.0592
F	2	C94533	200.3	0.0639	2.0393		1.9056	8.3329	0.1402	0.5051		0.4569
F	2	C94534	197.5	0.0655	2.0617		1.9166	7.1556	0.1380	0.4487		0.3874
F	2	C94535	217.3	0.0683	2.0698		1.8145	7.8013	0.1276	0.5174		0.4819
F	2	C94536	204.4	0.0803	1.8203		2.0013	6.8621	0.1446	0.6338		0.5764
F	2	C94537	223.4	0.0733	2.0384		2.2858	8.2008	0.1269	0.4833		0.5223
F	2	C94538	192.6	0.0606	1.8703		1.8873	6.9707	0.1094	0.4307		0.7123
NUMBER IN GROUP:			6	6	6		6	6	6	6		6
MEAN:			205.9	0.0687	1.9833		1.9685	7.5539	0.1311	0.5032		0.5229
STANDARD DEV:			12.0	0.0071	0.1088		0.1666	0.6425	0.0128	0.0719		0.1124
F	3	C94539	217.8	0.1090	2.0113		2.6878	8.3813	0.1454	0.5526		0.4936
F	3	C94540	174.2	0.0624	1.9367		1.9136	6.6088	0.1402	0.3929		0.3952
F	3	C94541	234.2	0.0850	2.0657		2.5187	8.8330	0.1394	0.6589		0.6495

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APPENDIX 6

Individual Absolute Organ Weight Data (g)

Terminal Sacrifice

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 8

TABLE INCLUDES:

SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=T; SUBSET=ALL

: AD - ADRENAL, BR - BRAIN, EP - EPIDIDYMIDES
: KD - KIDNEY, LI - LIVER, OV - OVARY
ORGAN ABBREVIATION: SP - SPLEEN, TE - TESTIS, TH - THYMUS

SEX	DOSE GROUP	ANIMAL NUMBER	TERMINAL BODY WT (g)	AD	BR	EP	KD	LI	OV	SP	TE	TH
F	3	C94542	242.5	0.0880	2.0048		2.5368	9.4944	0.1565	0.5490		0.6078
F	3	C94543	167.9	0.0487	1.8660		1.7414	6.4505	0.0986	0.3354		0.5563
F	3	C94544	185.5	0.0563	2.0395		2.1156	8.2267	0.1453	0.4673		0.4899
NUMBER IN GROUP:			6	6	6		6	6	6	6		6
MEAN:			203.7	0.0749	1.9873		2.2523	7.9991	0.1376	0.4927		0.5321
STANDARD DEV:			32.0	0.0229	0.0735		0.3837	1.2215	0.0200	0.1181		0.0918
F	4	C94545	187.2	0.0585	1.8832		2.0151	7.1725	0.1228	0.4640		0.4712
F	4	C94546	219.7	0.0634	2.0493		2.1332	9.5768	0.1006	0.5830		0.6427
F	4	C94547	237.1	0.0794	2.1499		2.2587	9.8392	0.1338	0.5588		0.5987
F	4	C94548	186.8	0.0536	2.0980		1.9018	6.8828	0.0940	0.4053		0.6280
F	4	C94549	207.7	0.0653	2.0569		2.1431	8.7554	0.1636	0.5145		0.4439
F	4	C94550	187.0	0.0630	1.9038		1.8946	7.7017	0.0960	0.4316		0.5060
NUMBER IN GROUP:			6	6	6		6	6	6	6		6
MEAN:			204.3	0.0639	2.0235		2.0578	8.3214	0.1185	0.4929		0.5484
STANDARD DEV:			21.1	0.0087	0.1071		0.1457	1.2523	0.0273	0.0710		0.0854
F	5	C94551	171.1	0.0661	1.8855		1.9419	8.7911	0.1289	0.4517		0.3160
F	5	C94552	201.4	0.0660	2.0531		2.3079	10.2382	0.1255	0.4772		0.3988
F	5	C94553	206.3	0.0679	2.0290		2.2091	10.4906	0.1087	0.4567		0.6089
F	5	C94554	184.4	0.0582	1.8946		1.9402	8.6778	0.0972	0.3575		0.3711

** CONTINUED ON NEXT PAGE **

APPENDIX 6

Individual Absolute Organ Weight Data (g)

Terminal Sacrifice

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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TABLE INCLUDES:

SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=T; SUBSET=ALL

: AD - ADRENAL, BR - BRAIN, EP - EPIDIDYMIDES
: KD - KIDNEY, LI - LIVER, OV - OVARY
ORGAN ABBREVIATION: SP - SPLEEN, TE - TESTIS, TH - THYMUS

SEX	DOSE GROUP	ANIMAL NUMBER	TERMINAL BODY WT (g)	AD	BR	EP	KD	LI	OV	SP	TE	TH
F	5	C94555	192.5	0.0605	2.0725		2.1591	10.0252	0.1028	0.4944		0.8204
F	5	C94556	206.1	0.0777	2.0897		2.6036	9.4436	0.1349	0.6082		0.5221
NUMBER IN GROUP:				6	6		6	6	6	6		6
MEAN:				193.6	2.0041		2.1936	9.6111	0.1163	0.4743		0.5062
STANDARD DEV:				13.9	0.0068	0.0906	0.2491	0.7628	0.0155	0.0810		0.1873
F	6	C94557	151.5	0.0381	1.9430		1.6979	12.4887	0.0758	0.3143		0.3376
F	6	C94558	154.4	0.0453	2.1101		1.7106	12.6860	0.0777	0.4358		0.4256
F	6	C94559	134.5	0.0351	1.7981		1.4107	9.8766	0.0511	0.4295		0.4142
F	6	C94560	172.6	0.0389	2.0925		1.6771	14.9295	0.0671	0.5289		0.6468
F	6	C94561	161.3	0.0618	1.9670		1.9650	13.3315	0.0797	0.4122		0.4100
F	6	C94562	165.1	0.0589	2.0415		1.8903	10.9656	0.1065	0.4382		0.5178
NUMBER IN GROUP:				6	6		6	6	6	6		6
MEAN:				156.6	1.9920		1.7253	12.3797	0.0763	0.4265		0.4587
STANDARD DEV:				13.2	0.0114	0.1159	0.1934	1.7764	0.0181	0.0686		0.1086

APPENDIX 6

Individual Absolute Organ Weight Data (g)

Terminal Sacrifice

PAGE: 10

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

TABLE INCLUDES:
SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=T; SUBSET=ALL

ORGAN ABBREVIATION: TT - THYROID/PARATHYR

SEX	DOSE GROUP	ANIMAL NUMBER	TERMINAL BODY WT (g)	TT
F	1	C94527	213.0	0.0155
F	1	C94528	210.0	0.0141
F	1	C94529	228.8	0.0177
F	1	C94530	235.2	0.0133
F	1	C94531	207.8	0.0173
F	1	C94532	184.7	0.0175

NUMBER IN GROUP:			6	6
MEAN:			213.3	0.0159
STANDARD DEV:			17.8	0.0019

F	2	C94533	200.3	0.0197
F	2	C94534	197.5	0.0217
F	2	C94535	217.3	0.0196
F	2	C94536	204.4	0.0140
F	2	C94537	223.4	0.0192
F	2	C94538	192.6	0.0143

NUMBER IN GROUP:			6	6
MEAN:			205.9	0.0181
STANDARD DEV:			12.0	0.0032

F	3	C94539	217.8	0.0066EX
F	3	C94540	174.2	0.0217
F	3	C94541	234.2	0.0164

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APPENDIX 6

Individual Absolute Organ Weight Data (g)

Terminal Sacrifice

PAGE: 11

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

TABLE INCLUDES:

SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=T; SUBSET=ALL

ORGAN ABBREVIATION: TT - THYROID/PARATHYR

SEX	DOSE GROUP	ANIMAL NUMBER	TERMINAL BODY WT (g)	TT
F	3	C94542	242.5	0.0250
F	3	C94543	167.9	0.0192
F	3	C94544	185.5	0.0140
NUMBER IN GROUP:			6	5
MEAN:			203.7	0.0193
STANDARD DEV:			32.0	0.0043
F	4	C94545	187.2	0.0131
F	4	C94546	219.7	0.0293
F	4	C94547	237.1	0.0129
F	4	C94548	186.8	0.0167
F	4	C94549	207.7	0.0221
F	4	C94550	187.0	0.0165
NUMBER IN GROUP:			6	6
MEAN:			204.3	0.0184
STANDARD DEV:			21.1	0.0063
F	5	C94551	171.1	0.0126
F	5	C94552	201.4	0.0244
F	5	C94553	206.3	0.0237
F	5	C94554	184.4	0.0149

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APPENDIX 6

Individual Absolute Organ Weight Data (g)

Terminal Sacrifice

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 12

TABLE INCLUDES:

SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=T; SUBSET=ALL

ORGAN ABBREVIATION: TT - THYROID/PARATHYR

SEX	DOSE GROUP	ANIMAL NUMBER	TERMINAL BODY WT (g)	TT
F	5	C94555	192.5	0.0177
F	5	C94556	206.1	0.0150
NUMBER IN GROUP:			6	6
MEAN:			193.6	0.0181
STANDARD DEV:			13.9	0.0049
F	6	C94557	151.5	0.0152
F	6	C94558	154.4	0.0122
F	6	C94559	134.5	0.0118
F	6	C94560	172.6	0.0095
F	6	C94561	161.3	0.0182
F	6	C94562	165.1	0.0154
NUMBER IN GROUP:			6	6
MEAN:			156.6	0.0137
STANDARD DEV:			13.2	0.0031

APPENDIX 6

Individual Organ-to-Body Weight Percentages

Terminal Sacrifice

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 1

TABLE INCLUDES:

SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=T; SUBSET=ALL

: AD - ADRENAL, BR - BRAIN, EP - EPIDIDYMIDES
: KD - KIDNEY, LI - LIVER, OV - OVARY
ORGAN ABBREVIATION: SP - SPLEEN, TE - TESTIS, TH - THYMUS

SEX	DOSE GROUP	ANIMAL NUMBER	TERMINAL BODY WT (g)	AD	BR	EP	KD	LI	OV	SP	TE	TH
M	1	C94491	335.4	0.0182	0.6294	0.3085	1.0770	4.1863		0.2766	1.0345	0.1499
M	1	C94492	361.6	0.0142	0.5488	0.2429	0.9001	3.7862		0.2079	0.8243	0.1579
M	1	C94493	339.1	0.0166	0.5667	0.2575	1.0785	3.6591		0.2212	0.8398	0.1279
M	1	C94494	379.4	0.0167	0.5598	0.2680	0.9903	3.7820		0.2069	0.8674	0.1740
M	1	C94495	343.5	0.0121	0.6400	0.2459	0.9325	3.8783		0.2365	0.8535	0.2713
M	1	C94496	291.7	0.0249	0.6903	0.3019	0.9961	3.3119		0.2752	0.9646	0.1797
NUMBER IN GROUP:			6	6	6	6	6	6		6	6	6
MEAN:			341.8	0.0171	0.6058	0.2708	0.9957	3.7673		0.2374	0.8974	0.1768
STANDARD DEV:			29.6	0.0044	0.0562	0.0282	0.0730	0.2855		0.0317	0.0834	0.0498
M	2	C94497	345.7	0.0167	0.5447	0.2594	0.7429	3.3996		0.2239	0.8372	0.1590
M	2	C94498	321.0	0.0196	0.6374	0.2953	0.8759	3.7372		0.1834	0.8536	0.2175
M	2	C94499	384.3	0.0118	0.5437	0.2153	0.9094	3.7142		0.2129	0.8053	0.2488
M	2	C94500	320.2	0.0180	0.6634	0.2648	1.1167	3.7469		0.2443	0.8712	0.2501
M	2	C94501	332.4	0.0187	0.6224	0.2924	0.9218	3.5089		0.2512	0.8758	0.1673
M	2	C94502	323.8	0.0174	0.6175	0.2761	0.9593	4.0284		0.2200	1.0064	0.1665
NUMBER IN GROUP:			6	6	6	6	6	6		6	6	6
MEAN:			337.9	0.0170	0.6049	0.2672	0.9210	3.6892		0.2226	0.8749	0.2015
STANDARD DEV:			24.7	0.0027	0.0496	0.0292	0.1214	0.2180		0.0242	0.0693	0.0425
M	3	C94503	338.4	0.0212	0.5472	0.2980	1.0263	3.7365		0.2770	0.9773	0.2099
M	3	C94504	369.1	0.0174	0.5608	0.2408	1.0039	3.6000		0.2056	0.7623	0.2387
M	3	C94505	337.9	0.0166	0.6419	0.2978	0.9777	3.9710		0.2056	0.9357	0.2039

** CONTINUED ON NEXT PAGE **

APPENDIX 6

Individual Organ-to-Body Weight Percentages

Terminal Sacrifice

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 2

TABLE INCLUDES:

SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=T; SUBSET=ALL

: AD - ADRENAL, BR - BRAIN, EP - EPIDIDYMIDES
: KD - KIDNEY, LI - LIVER, OV - OVARY
ORGAN ABBREVIATION: SP - SPLEEN, TE - TESTIS, TH - THYMUS

SEX	DOSE GROUP	ANIMAL NUMBER	TERMINAL BODY WT (g)	AD	BR	EP	KD	LI	OV	SP	TE	TH
M	3	C94506	322.1	0.0149	0.5896	0.3057	1.0273	3.7907		0.2333	0.8262	0.1661
M	3	C94507	298.0	0.0227	0.6810	0.2895	0.9773	3.7809		0.2345	1.0808	0.1752
M	3	C94508	357.8	0.0158	0.5830	0.3090	0.9435	3.7597		0.2306	0.8044	0.2225
NUMBER IN GROUP:			6	6	6	6	6	6		6	6	6
MEAN:			337.2	0.0181	0.6006	0.2901	0.9927	3.7731		0.2311	0.8978	0.2027
STANDARD DEV:			25.3	0.0031	0.0511	0.0251	0.0327	0.1192		0.0261	0.1212	0.0277
M	4	C94509	301.9	0.0187	0.7237	0.3104	1.0186	3.3469		0.1847	1.0110	0.2105
M	4	C94510	282.3	0.0169	0.7107	0.2646	1.0436	3.6665		0.2521	0.9446	0.1720
M	4	C94511	308.5	0.0172	0.6598	0.2667	0.9463	4.0394		0.2262	0.8613	0.1917
M	4	C94512	365.6	0.0103	0.5406	0.2596	0.8704	3.8273		0.1983	0.8536	0.1424
M	4	C94513	330.7	0.0163	0.6735	0.2521	1.0858	4.0334		0.1996	0.8871	0.1810
M	4	C94514	349.8	0.0180	0.6675	0.2597	1.0531	3.9165		0.2547	0.8929	0.1946
NUMBER IN GROUP:			6	6	6	6	6	6		6	6	6
MEAN:			323.1	0.0162	0.6626	0.2688	1.0030	3.8050		0.2193	0.9084	0.1820
STANDARD DEV:			31.3	0.0030	0.0650	0.0210	0.0801	0.2642		0.0297	0.0596	0.0234
M	5	C94515	331.8	0.0164	0.6596	0.2502	1.0271	5.2612		0.2043	0.9127	0.2177
M	5	C94516	295.2	0.0154	0.6962	0.2633	1.0711	5.4343		0.2572	1.0389	0.2449
M	5	C94517	337.9	0.0215	0.5814	0.3260	1.0788	4.5995		0.1874	0.9183	0.1482
M	5	C94518	316.7	0.0173	0.6375	0.2451	0.9937	6.1710		0.2468	0.8785	0.2508

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APPENDIX 6

Individual Organ-to-Body Weight Percentages

Terminal Sacrifice

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 3

TABLE INCLUDES:

SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=T; SUBSET=ALL

: AD - ADRENAL, BR - BRAIN, EP - EPIDIDYMIDES
: KD - KIDNEY, LI - LIVER, OV - OVARY
ORGAN ABBREVIATION: SP - SPLEEN, TE - TESTIS, TH - THYMUS

SEX	DOSE GROUP	ANIMAL NUMBER	TERMINAL BODY WT (g)	AD	BR	EP	KD	LI	OV	SP	TE	TH
M	5	C94519	317.4	0.0164	0.6781	0.2462	0.9559	4.5907		0.2245	0.8967	0.1735
M	5	C94520	325.4	0.0149	0.6688	0.2464	1.0317	5.2590		0.1457	0.9232	0.2056
NUMBER IN GROUP:			6	6	6	6	6	6		6	6	6
MEAN:			320.7	0.0170	0.6536	0.2629	1.0264	5.2193		0.2110	0.9280	0.2068
STANDARD DEV:			15.0	0.0023	0.0404	0.0316	0.0465	0.5890		0.0412	0.0567	0.0401
M	6	C94521	226.3	0.0193	0.8344	0.3018	1.0410	8.9473		0.2672	1.3716	0.2672
M	6	C94522	243.9	0.0301	0.7940	0.3225	1.1868	7.9793		0.2106	1.3164	0.1640
M	6	C94524	211.8	0.0271	0.9333	0.3005	1.1466	8.5011		0.2904	1.1755	0.1531
M	6	C94525	228.0	0.0222	0.9426	0.3410	1.1100	8.5937		0.2992	1.3661	0.1818
M	6	C94526	229.1	0.0260	0.8963	0.3382	1.2016	9.0522		0.2158	1.3378	0.2189
NUMBER IN GROUP:			5	5	5	5	5	5		5	5	5
MEAN:			227.8	0.0249	0.8801	0.3208	1.1372	8.6147		0.2566	1.3135	0.1970
STANDARD DEV:			11.4	0.0042	0.0642	0.0193	0.0646	0.4240		0.0414	0.0803	0.0465

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APPENDIX 6

Individual Organ-to-Body Weight Percentages

Terminal Sacrifice

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 4

TABLE INCLUDES:

SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=T; SUBSET=ALL

ORGAN ABBREVIATION: TT - THYROID/PARATHYR

SEX	DOSE GROUP	ANIMAL NUMBER	TERMINAL BODY WT (g)	TT
M	1	C94491	335.4	0.0066
M	1	C94492	361.6	0.0049
M	1	C94493	339.1	0.0052
M	1	C94494	379.4	0.0079
M	1	C94495	343.5	0.0055
M	1	C94496	291.7	0.0059
NUMBER IN GROUP:			6	6
MEAN:			341.8	0.0060
STANDARD DEV:			29.6	0.0011
M	2	C94497	345.7	0.0085
M	2	C94498	321.0	0.0079
M	2	C94499	384.3	0.0056
M	2	C94500	320.2	0.0067
M	2	C94501	332.4	0.0047
M	2	C94502	323.8	0.0084
NUMBER IN GROUP:			6	6
MEAN:			337.9	0.0070
STANDARD DEV:			24.7	0.0016
M	3	C94503	338.4	0.0059
M	3	C94504	369.1	0.0063
M	3	C94505	337.9	0.0068

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APPENDIX 6

Individual Organ-to-Body Weight Percentages

Terminal Sacrifice

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 5

TABLE INCLUDES:

SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=T; SUBSET=ALL

ORGAN ABBREVIATION: TT - THYROID/PARATHYR

SEX	DOSE GROUP	ANIMAL NUMBER	TERMINAL BODY WT (g)	TT
M	3	C94506	322.1	0.0059
M	3	C94507	298.0	0.0075
M	3	C94508	357.8	0.0079
NUMBER IN GROUP:			6	6
MEAN:			337.2	0.0067
STANDARD DEV:			25.3	0.0009
M	4	C94509	301.9	0.0053
M	4	C94510	282.3	0.0068
M	4	C94511	308.5	0.0036
M	4	C94512	365.6	0.0069
M	4	C94513	330.7	0.0065
M	4	C94514	349.8	0.0087
NUMBER IN GROUP:			6	6
MEAN:			323.1	0.0063
STANDARD DEV:			31.3	0.0017
M	5	C94515	331.8	0.0076
M	5	C94516	295.2	0.0068
M	5	C94517	337.9	0.0061
M	5	C94518	316.7	0.0064

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APPENDIX 6

Individual Organ-to-Body Weight Percentages

Terminal Sacrifice

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 6

TABLE INCLUDES:

SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=T; SUBSET=ALL

ORGAN ABBREVIATION: TT - THYROID/PARATHYR

SEX	DOSE GROUP	ANIMAL NUMBER	TERMINAL BODY WT (g)	TT
M	5	C94519	317.4	0.0054
M	5	C94520	325.4	0.0085
NUMBER IN GROUP:			6	6
MEAN:			320.7	0.0068
STANDARD DEV:			15.0	0.0011
M	6	C94521	226.3	0.0066
M	6	C94522	243.9	0.0071
M	6	C94524	211.8	0.0090
M	6	C94525	228.0	0.0133
M	6	C94526	229.1	0.0075
NUMBER IN GROUP:			5	5
MEAN:			227.8	0.0087
STANDARD DEV:			11.4	0.0027

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APPENDIX 6

Individual Organ-to-Body Weight Percentages

Terminal Sacrifice

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 7

TABLE INCLUDES:

SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=T; SUBSET=ALL

: AD - ADRENAL, BR - BRAIN, EP - EPIDIDYMIDES
: KD - KIDNEY, LI - LIVER, OV - OVARY
ORGAN ABBREVIATION: SP - SPLEEN, TE - TESTIS, TH - THYMUS

SEX	DOSE GROUP	ANIMAL NUMBER	TERMINAL BODY WT (g)	AD	BR	EP	KD	LI	OV	SP	TE	TH
F	1	C94527	213.0	0.0336	0.9396		0.9451	3.4895	0.0546	0.2611		0.2144
F	1	C94528	210.0	0.0336	0.9124		0.9188	3.7553	0.0450	0.1811		0.2863
F	1	C94529	228.8	0.0447	0.8404		1.1477	3.8407	0.0620	0.3014		0.2705
F	1	C94530	235.2	0.0257	0.8626		0.9270	3.5153	0.0699	0.2162		0.2315
F	1	C94531	207.8	0.0315	0.9408		0.9884	3.6097	0.0632	0.2252		0.2598
F	1	C94532	184.7	0.0369	1.0321		0.9519	3.5910	0.0623	0.2411		0.2773
NUMBER IN GROUP:			6	6	6		6	6	6	6		6
MEAN:			213.3	0.0343	0.9213		0.9798	3.6336	0.0595	0.2377		0.2566
STANDARD DEV:			17.8	0.0063	0.0679		0.0858	0.1378	0.0086	0.0411		0.0280
F	2	C94533	200.3	0.0319	1.0181		0.9514	4.1602	0.0700	0.2522		0.2281
F	2	C94534	197.5	0.0332	1.0439		0.9704	3.6231	0.0699	0.2272		0.1962
F	2	C94535	217.3	0.0314	0.9525		0.8350	3.5901	0.0587	0.2381		0.2218
F	2	C94536	204.4	0.0393	0.8906		0.9791	3.3572	0.0707	0.3101		0.2820
F	2	C94537	223.4	0.0328	0.9124		1.0232	3.6709	0.0568	0.2163		0.2338
F	2	C94538	192.6	0.0315	0.9711		0.9799	3.6193	0.0568	0.2236		0.3698
NUMBER IN GROUP:			6	6	6		6	6	6	6		6
MEAN:			205.9	0.0333	0.9648		0.9565	3.6701	0.0638	0.2446		0.2553
STANDARD DEV:			12.0	0.0030	0.0592		0.0640	0.2643	0.0070	0.0344		0.0627
F	3	C94539	217.8	0.0500	0.9235		1.2341	3.8482	0.0668	0.2537		0.2266
F	3	C94540	174.2	0.0358	1.1118		1.0985	3.7938	0.0805	0.2255		0.2269
F	3	C94541	234.2	0.0363	0.8820		1.0754	3.7716	0.0595	0.2813		0.2773

** CONTINUED ON NEXT PAGE **

APPENDIX 6

Individual Organ-to-Body Weight Percentages

Terminal Sacrifice

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 8

TABLE INCLUDES:

SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=T; SUBSET=ALL

: AD - ADRENAL, BR - BRAIN, EP - EPIDIDYIMIDES
: KD - KIDNEY, LI - LIVER, OV - OVARY
ORGAN ABBREVIATION: SP - SPLEEN, TE - TESTIS, TH - THYMUS

SEX	DOSE GROUP	ANIMAL NUMBER	TERMINAL BODY WT (g)	AD	BR	EP	KD	LI	OV	SP	TE	TH
F	3	C94542	242.5	0.0363	0.8267		1.0461	3.9152	0.0645	0.2264		0.2506
F	3	C94543	167.9	0.0290	1.1114		1.0372	3.8419	0.0587	0.1998		0.3313
F	3	C94544	185.5	0.0304	1.0995		1.1405	4.4349	0.0783	0.2519		0.2641
NUMBER IN GROUP:				6	6		6	6	6	6		6
MEAN:				203.7	0.9925		1.1053	3.9342	0.0681	0.2398		0.2628
STANDARD DEV:				32.0	0.1298		0.0733	0.2503	0.0093	0.0285		0.0391
F	4	C94545	187.2	0.0313	1.0060		1.0764	3.8315	0.0656	0.2479		0.2517
F	4	C94546	219.7	0.0289	0.9328		0.9710	4.3590	0.0458	0.2654		0.2925
F	4	C94547	237.1	0.0335	0.9067		0.9526	4.1498	0.0564	0.2357		0.2525
F	4	C94548	186.8	0.0287	1.1231		1.0181	3.6846	0.0503	0.2170		0.3362
F	4	C94549	207.7	0.0314	0.9903		1.0318	4.2154	0.0788	0.2477		0.2137
F	4	C94550	187.0	0.0337	1.0181		1.0132	4.1186	0.0513	0.2308		0.2706
NUMBER IN GROUP:				6	6		6	6	6	6		6
MEAN:				204.3	0.9962		1.0105	4.0598	0.0580	0.2407		0.2695
STANDARD DEV:				21.1	0.0758		0.0442	0.2523	0.0122	0.0167		0.0417
F	5	C94551	171.1	0.0386	1.1020		1.1350	5.1380	0.0753	0.2640		0.1847
F	5	C94552	201.4	0.0328	1.0194		1.1459	5.0835	0.0623	0.2369		0.1980
F	5	C94553	206.3	0.0329	0.9835		1.0708	5.0851	0.0527	0.2214		0.2952
F	5	C94554	184.4	0.0316	1.0274		1.0522	4.7060	0.0527	0.1939		0.2012

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APPENDIX 6

Individual Organ-to-Body Weight Percentages

Terminal Sacrifice

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 9

TABLE INCLUDES:

SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=T; SUBSET=ALL

: AD - ADRENAL, BR - BRAIN, EP - EPIDIDYIMIDES
: KD - KIDNEY, LI - LIVER, OV - OVARY
ORGAN ABBREVIATION: SP - SPLEEN, TE - TESTIS, TH - THYMUS

SEX	DOSE GROUP	ANIMAL NUMBER	TERMINAL BODY WT (g)	AD	BR	EP	KD	LI	OV	SP	TE	TH
F	5	C94555	192.5	0.0314	1.0766		1.1216	5.2079	0.0534	0.2568		0.4262
F	5	C94556	206.1	0.0377	1.0139		1.2633	4.5820	0.0655	0.2951		0.2533
NUMBER IN GROUP:			6	6	6		6	6	6	6		6
MEAN:			193.6	0.0342	1.0372		1.1315	4.9671	0.0603	0.2447		0.2598
STANDARD DEV:			13.9	0.0032	0.0438		0.0744	0.2573	0.0092	0.0353		0.0915
F	6	C94557	151.5	0.0251	1.2825		1.1207	8.2434	0.0500	0.2075		0.2228
F	6	C94558	154.4	0.0293	1.3666		1.1079	8.2163	0.0503	0.2823		0.2756
F	6	C94559	134.5	0.0261	1.3369		1.0488	7.3432	0.0380	0.3193		0.3080
F	6	C94560	172.6	0.0225	1.2123		0.9717	8.6498	0.0389	0.3064		0.3747
F	6	C94561	161.3	0.0383	1.2195		1.2182	8.2650	0.0494	0.2555		0.2542
F	6	C94562	165.1	0.0357	1.2365		1.1449	6.6418	0.0645	0.2654		0.3136
NUMBER IN GROUP:			6	6	6		6	6	6	6		6
MEAN:			156.6	0.0295	1.2757		1.1021	7.8932	0.0485	0.2727		0.2915
STANDARD DEV:			13.2	0.0062	0.0644		0.0843	0.7492	0.0097	0.0400		0.0530

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APPENDIX 6

Individual Organ-to-Body Weight Percentages

Terminal Sacrifice

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 10

TABLE INCLUDES:

SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=T; SUBSET=ALL

ORGAN ABBREVIATION: TT - THYROID/PARATHYR

SEX	DOSE GROUP	ANIMAL NUMBER	TERMINAL BODY WT (g)	TT
F	1	C94527	213.0	0.0073
F	1	C94528	210.0	0.0067
F	1	C94529	228.8	0.0077
F	1	C94530	235.2	0.0057
F	1	C94531	207.8	0.0083
F	1	C94532	184.7	0.0095
NUMBER IN GROUP:			6	6
MEAN:			213.3	0.0075
STANDARD DEV:			17.8	0.0013
F	2	C94533	200.3	0.0098
F	2	C94534	197.5	0.0110
F	2	C94535	217.3	0.0090
F	2	C94536	204.4	0.0068
F	2	C94537	223.4	0.0086
F	2	C94538	192.6	0.0074
NUMBER IN GROUP:			6	6
MEAN:			205.9	0.0088
STANDARD DEV:			12.0	0.0015
F	3	C94539	217.8	0.0030EX
F	3	C94540	174.2	0.0125
F	3	C94541	234.2	0.0070

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APPENDIX 6

Individual Organ-to-Body Weight Percentages

Terminal Sacrifice

PAGE: 11

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

TABLE INCLUDES:

SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=T; SUBSET=ALL

ORGAN ABBREVIATION: TT - THYROID/PARATHYR

SEX	DOSE GROUP	ANIMAL NUMBER	TERMINAL BODY WT (g)	TT
F	3	C94542	242.5	0.0103
F	3	C94543	167.9	0.0114
F	3	C94544	185.5	0.0075
NUMBER IN GROUP:			6	5
MEAN:			203.7	0.0098
STANDARD DEV:			32.0	0.0024
F	4	C94545	187.2	0.0070
F	4	C94546	219.7	0.0133
F	4	C94547	237.1	0.0054
F	4	C94548	186.8	0.0089
F	4	C94549	207.7	0.0106
F	4	C94550	187.0	0.0088
NUMBER IN GROUP:			6	6
MEAN:			204.3	0.0090
STANDARD DEV:			21.1	0.0028
F	5	C94551	171.1	0.0074
F	5	C94552	201.4	0.0121
F	5	C94553	206.3	0.0115
F	5	C94554	184.4	0.0081

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APPENDIX 6

Individual Organ-to-Body Weight Percentages

Terminal Sacrifice

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 12

TABLE INCLUDES:

SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=T; SUBSET=ALL

ORGAN ABBREVIATION: TT - THYROID/PARATHYR

SEX	DOSE GROUP	ANIMAL NUMBER	TERMINAL BODY WT (g)	TT
F	5	C94555	192.5	0.0092
F	5	C94556	206.1	0.0073
NUMBER IN GROUP:			6	6
MEAN:			193.6	0.0093
STANDARD DEV:			13.9	0.0021
F	6	C94557	151.5	0.0100
F	6	C94558	154.4	0.0079
F	6	C94559	134.5	0.0088
F	6	C94560	172.6	0.0055
F	6	C94561	161.3	0.0113
F	6	C94562	165.1	0.0093
NUMBER IN GROUP:			6	6
MEAN:			156.6	0.0088
STANDARD DEV:			13.2	0.0020

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APPENDIX 6

Individual Organ-to-Brain Weight Ratios

Terminal Sacrifice

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 1

TABLE INCLUDES:

SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=T; SUBSET=ALL

: AD - ADRENAL, BR - BRAIN, EP - EPIDIDYMIDES
: KD - KIDNEY, LI - LIVER, OV - OVARY
ORGAN ABBREVIATION: SP - SPLEEN, TE - TESTIS, TH - THYMUS

SEX	DOSE GROUP	ANIMAL NUMBER	TERMINAL BODY WT (g)	AD	BR	EP	KD	LI	OV	SP	TE	TH
M	1	C94491	335.4	0.0290	1.0000	0.4902	1.7113	6.6515		0.4394	1.6438	0.2381
M	1	C94492	361.6	0.0260	1.0000	0.4427	1.6402	6.8996		0.3788	1.5022	0.2878
M	1	C94493	339.1	0.0293	1.0000	0.4543	1.9030	6.4565		0.3903	1.4818	0.2256
M	1	C94494	379.4	0.0299	1.0000	0.4787	1.7690	6.7562		0.3695	1.5496	0.3108
M	1	C94495	343.5	0.0189	1.0000	0.3842	1.4570	6.0595		0.3696	1.3335	0.4238
M	1	C94496	291.7	0.0360	1.0000	0.4373	1.4429	4.7975		0.3987	1.3973	0.2603
NUMBER IN GROUP:			6	6	6	6	6	6		6	6	6
MEAN:			341.8	0.0282	1.0000	0.4479	1.6539	6.2701		0.3911	1.4847	0.2911
STANDARD DEV:			29.6	0.0056	0.0000	0.0374	0.1800	0.7779		0.0264	0.1098	0.0722
M	2	C94497	345.7	0.0307	1.0000	0.4762	1.3637	6.2406		0.4111	1.5369	0.2918
M	2	C94498	321.0	0.0308	1.0000	0.4632	1.3741	5.8628		0.2878	1.3391	0.3413
M	2	C94499	384.3	0.0217	1.0000	0.3961	1.6728	6.8319		0.3917	1.4812	0.4576
M	2	C94500	320.2	0.0271	1.0000	0.3992	1.6832	5.6477		0.3682	1.3132	0.3769
M	2	C94501	332.4	0.0300	1.0000	0.4697	1.4810	5.6379		0.4036	1.4071	0.2689
M	2	C94502	323.8	0.0283	1.0000	0.4471	1.5536	6.5240		0.3563	1.6298	0.2696
NUMBER IN GROUP:			6	6	6	6	6	6		6	6	6
MEAN:			337.9	0.0281	1.0000	0.4419	1.5214	6.1241		0.3698	1.4512	0.3343
STANDARD DEV:			24.7	0.0035	0.0000	0.0357	0.1402	0.4911		0.0453	0.1214	0.0739
M	3	C94503	338.4	0.0388	1.0000	0.5446	1.8756	6.8284		0.5061	1.7860	0.3836
M	3	C94504	369.1	0.0311	1.0000	0.4294	1.7902	6.4197		0.3667	1.3593	0.4257
M	3	C94505	337.9	0.0259	1.0000	0.4639	1.5233	6.1865		0.3203	1.4578	0.3177

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APPENDIX 6

Individual Organ-to-Brain Weight Ratios

Terminal Sacrifice

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 2

TABLE INCLUDES:

SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=T; SUBSET=ALL

: AD - ADRENAL, BR - BRAIN, EP - EPIDIDYMIDES
: KD - KIDNEY, LI - LIVER, OV - OVARY
ORGAN ABBREVIATION: SP - SPLEEN, TE - TESTIS, TH - THYMUS

SEX	DOSE GROUP	ANIMAL NUMBER	TERMINAL BODY WT (g)	AD	BR	EP	KD	LI	OV	SP	TE	TH
M	3	C94506	322.1	0.0252	1.0000	0.5185	1.7425	6.4297		0.3957	1.4013	0.2817
M	3	C94507	298.0	0.0333	1.0000	0.4251	1.4352	5.5520		0.3444	1.5871	0.2573
M	3	C94508	357.8	0.0272	1.0000	0.5299	1.6182	6.4484		0.3955	1.3796	0.3817
NUMBER IN GROUP:				6	6	6	6	6		6	6	6
MEAN:				337.2	0.0303	1.0000	0.4852	1.6641		0.3881	1.4952	0.3413
STANDARD DEV:				25.3	0.0052	0.0000	0.0526	0.1680		0.0648	0.1644	0.0659
M	4	C94509	301.9	0.0259	1.0000	0.4289	1.4075	4.6244		0.2552	1.3968	0.2908
M	4	C94510	282.3	0.0238	1.0000	0.3724	1.4684	5.1589		0.3547	1.3291	0.2420
M	4	C94511	308.5	0.0260	1.0000	0.4042	1.4342	6.1224		0.3428	1.3055	0.2905
M	4	C94512	365.6	0.0191	1.0000	0.4802	1.6102	7.0802		0.3669	1.5790	0.2635
M	4	C94513	330.7	0.0242	1.0000	0.3743	1.6121	5.9886		0.2963	1.3172	0.2688
M	4	C94514	349.8	0.0270	1.0000	0.3890	1.5777	5.8677		0.3816	1.3378	0.2916
NUMBER IN GROUP:				6	6	6	6	6		6	6	6
MEAN:				323.1	0.0243	1.0000	0.4082	1.5184		0.3329	1.3776	0.2745
STANDARD DEV:				31.3	0.0028	0.0000	0.0411	0.0923		0.0479	0.1037	0.0201
M	5	C94515	331.8	0.0249	1.0000	0.3794	1.5571	7.9757		0.3097	1.3836	0.3300
M	5	C94516	295.2	0.0222	1.0000	0.3782	1.5385	7.8056		0.3694	1.4922	0.3517
M	5	C94517	337.9	0.0369	1.0000	0.5606	1.8555	7.9109		0.3223	1.5794	0.2550
M	5	C94518	316.7	0.0272	1.0000	0.3845	1.5587	9.6804		0.3872	1.3780	0.3934

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APPENDIX 6

Individual Organ-to-Brain Weight Ratios

Terminal Sacrifice

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 3

TABLE INCLUDES:

SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=T; SUBSET=ALL

: AD - ADRENAL, BR - BRAIN, EP - EPIDIDYMIDES
: KD - KIDNEY, LI - LIVER, OV - OVARY
ORGAN ABBREVIATION: SP - SPLEEN, TE - TESTIS, TH - THYMUS

SEX	DOSE GROUP	ANIMAL NUMBER	TERMINAL BODY WT (g)	AD	BR	EP	KD	LI	OV	SP	TE	TH
M	5	C94519	317.4	0.0243	1.0000	0.3631	1.4095	6.7696		0.3311	1.3223	0.2559
M	5	C94520	325.4	0.0223	1.0000	0.3684	1.5425	7.8629		0.2178	1.3803	0.3074
NUMBER IN GROUP:			6	6	6	6	6	6		6	6	6
MEAN:			320.7	0.0263	1.0000	0.4057	1.5770	8.0008		0.3229	1.4226	0.3156
STANDARD DEV:			15.0	0.0055	0.0000	0.0763	0.1476	0.9384		0.0593	0.0946	0.0545
M	6	C94521	226.3	0.0231	1.0000	0.3617	1.2475	10.7227		0.3202	1.6438	0.3202
M	6	C94522	243.9	0.0380	1.0000	0.4062	1.4946	10.0493		0.2653	1.6579	0.2065
M	6	C94524	211.8	0.0290	1.0000	0.3220	1.2286	9.1088		0.3112	1.2595	0.1641
M	6	C94525	228.0	0.0236	1.0000	0.3618	1.1776	9.1167		0.3174	1.4492	0.1929
M	6	C94526	229.1	0.0290	1.0000	0.3773	1.3406	10.0991		0.2407	1.4926	0.2442
NUMBER IN GROUP:			5	5	5	5	5	5		5	5	5
MEAN:			227.8	0.0285	1.0000	0.3658	1.2978	9.8193		0.2909	1.5006	0.2256
STANDARD DEV:			11.4	0.0060	0.0000	0.0305	0.1248	0.6974		0.0359	0.1628	0.0603

APPENDIX 6

Individual Organ-to-Brain Weight Ratios

Terminal Sacrifice

PAGE: 4

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

TABLE INCLUDES:

SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=T; SUBSET=ALL

ORGAN ABBREVIATION: TT - THYROID/PARATHYR

SEX	DOSE GROUP	ANIMAL NUMBER	TERMINAL BODY WT (g)	TT
M	1	C94491	335.4	0.0106
M	1	C94492	361.6	0.0089
M	1	C94493	339.1	0.0092
M	1	C94494	379.4	0.0141
M	1	C94495	343.5	0.0086
M	1	C94496	291.7	0.0085
NUMBER IN GROUP:			6	6
MEAN:			341.8	0.0100
STANDARD DEV:			29.6	0.0021
M	2	C94497	345.7	0.0157
M	2	C94498	321.0	0.0123
M	2	C94499	384.3	0.0103
M	2	C94500	320.2	0.0100
M	2	C94501	332.4	0.0075
M	2	C94502	323.8	0.0137
NUMBER IN GROUP:			6	6
MEAN:			337.9	0.0116
STANDARD DEV:			24.7	0.0029
M	3	C94503	338.4	0.0107
M	3	C94504	369.1	0.0112
M	3	C94505	337.9	0.0106

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APPENDIX 6

Individual Organ-to-Brain Weight Ratios

Terminal Sacrifice

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 5

TABLE INCLUDES:
SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=T; SUBSET=ALL

ORGAN ABBREVIATION: TT - THYROID/PARATHYR

SEX	DOSE GROUP	ANIMAL NUMBER	TERMINAL BODY WT (g)	TT
M	3	C94506	322.1	0.0100
M	3	C94507	298.0	0.0110
M	3	C94508	357.8	0.0135
NUMBER IN GROUP:			6	6
MEAN:			337.2	0.0112
STANDARD DEV:			25.3	0.0012
M	4	C94509	301.9	0.0073
M	4	C94510	282.3	0.0096
M	4	C94511	308.5	0.0055
M	4	C94512	365.6	0.0129
M	4	C94513	330.7	0.0097
M	4	C94514	349.8	0.0130
NUMBER IN GROUP:			6	6
MEAN:			323.1	0.0097
STANDARD DEV:			31.3	0.0030
M	5	C94515	331.8	0.0115
M	5	C94516	295.2	0.0098
M	5	C94517	337.9	0.0105
M	5	C94518	316.7	0.0101

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APPENDIX 6

Individual Organ-to-Brain Weight Ratios

Terminal Sacrifice

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 6

TABLE INCLUDES:

SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=T; SUBSET=ALL

ORGAN ABBREVIATION: TT - THYROID/PARATHYR

SEX	DOSE GROUP	ANIMAL NUMBER	TERMINAL BODY WT (g)	TT
M	5	C94519	317.4	0.0080
M	5	C94520	325.4	0.0128
NUMBER IN GROUP:			6	6
MEAN:			320.7	0.0104
STANDARD DEV:			15.0	0.0016
M	6	C94521	226.3	0.0079
M	6	C94522	243.9	0.0089
M	6	C94524	211.8	0.0097
M	6	C94525	228.0	0.0141
M	6	C94526	229.1	0.0084
NUMBER IN GROUP:			5	5
MEAN:			227.8	0.0098
STANDARD DEV:			11.4	0.0025

APPENDIX 6

Individual Organ-to-Brain Weight Ratios

Terminal Sacrifice

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 7

TABLE INCLUDES:
SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=T; SUBSET=ALL

: AD - ADRENAL, BR - BRAIN, EP - EPIDIDYMIDES
: KD - KIDNEY, LI - LIVER, OV - OVARY
ORGAN ABBREVIATION: SP - SPLEEN, TE - TESTIS, TH - THYMUS

SEX	DOSE GROUP	ANIMAL NUMBER	TERMINAL BODY WT (g)	AD	BR	EP	KD	LI	OV	SP	TE	TH
F	1	C94527	213.0	0.0357	1.0000		1.0058	3.7139	0.0581	0.2779		0.2282
F	1	C94528	210.0	0.0368	1.0000		1.0070	4.1160	0.0493	0.1985		0.3138
F	1	C94529	228.8	0.0532	1.0000		1.3657	4.5702	0.0737	0.3586		0.3218
F	1	C94530	235.2	0.0298	1.0000		1.0746	4.0753	0.0810	0.2506		0.2684
F	1	C94531	207.8	0.0335	1.0000		1.0505	3.8368	0.0672	0.2393		0.2761
F	1	C94532	184.7	0.0358	1.0000		0.9224	3.4795	0.0603	0.2336		0.2686
NUMBER IN GROUP:				6	6		6	6	6	6		6
MEAN:				213.3	0.0375	1.0000	1.0710	3.9653	0.0650	0.2598		0.2795
STANDARD DEV:				17.8	0.0081	0.0000	0.1534	0.3785	0.0114	0.0548		0.0342
F	2	C94533	200.3	0.0313	1.0000		0.9344	4.0862	0.0687	0.2477		0.2240
F	2	C94534	197.5	0.0318	1.0000		0.9296	3.4707	0.0669	0.2176		0.1879
F	2	C94535	217.3	0.0330	1.0000		0.8767	3.7691	0.0616	0.2500		0.2328
F	2	C94536	204.4	0.0441	1.0000		1.0994	3.7698	0.0794	0.3482		0.3167
F	2	C94537	223.4	0.0360	1.0000		1.1214	4.0232	0.0623	0.2371		0.2562
F	2	C94538	192.6	0.0324	1.0000		1.0091	3.7270	0.0585	0.2303		0.3808
NUMBER IN GROUP:				6	6		6	6	6	6		6
MEAN:				205.9	0.0348	1.0000	0.9951	3.8077	0.0663	0.2551		0.2664
STANDARD DEV:				12.0	0.0049	0.0000	0.0990	0.2222	0.0075	0.0471		0.0704
F	3	C94539	217.8	0.0542	1.0000		1.3363	4.1671	0.0723	0.2747		0.2454
F	3	C94540	174.2	0.0322	1.0000		0.9881	3.4124	0.0724	0.2029		0.2041
F	3	C94541	234.2	0.0411	1.0000		1.2193	4.2760	0.0675	0.3190		0.3144

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APPENDIX 6

Individual Organ-to-Brain Weight Ratios

Terminal Sacrifice

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 8

TABLE INCLUDES:

SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=T; SUBSET=ALL

: AD - ADRENAL, BR - BRAIN, EP - EPIDIDYMIDES
: KD - KIDNEY, LI - LIVER, OV - OVARY
ORGAN ABBREVIATION: SP - SPLEEN, TE - TESTIS, TH - THYMUS

SEX	DOSE	ANIMAL	TERMINAL		AD	BR	EP	KD	LI	OV	SP	TE	TH
	GROUP	NUMBER	BODY WT (g)										
F	3	C94542	242.5		0.0439	1.0000		1.2654	4.7358	0.0781	0.2738		0.3032
F	3	C94543	167.9		0.0261	1.0000		0.9332	3.4569	0.0528	0.1797		0.2981
F	3	C94544	185.5		0.0276	1.0000		1.0373	4.0337	0.0712	0.2291		0.2402
NUMBER IN GROUP:				6	6	6		6	6	6	6		6
MEAN:				203.7	0.0375	1.0000		1.1299	4.0137	0.0691	0.2466		0.2676
STANDARD DEV:				32.0	0.0109	0.0000		0.1651	0.5071	0.0086	0.0519		0.0440
F	4	C94545	187.2		0.0311	1.0000		1.0700	3.8087	0.0652	0.2464		0.2502
F	4	C94546	219.7		0.0309	1.0000		1.0409	4.6732	0.0491	0.2845		0.3136
F	4	C94547	237.1		0.0369	1.0000		1.0506	4.5766	0.0622	0.2599		0.2785
F	4	C94548	186.8		0.0255	1.0000		0.9065	3.2806	0.0448	0.1932		0.2993
F	4	C94549	207.7		0.0317	1.0000		1.0419	4.2566	0.0795	0.2501		0.2158
F	4	C94550	187.0		0.0331	1.0000		0.9952	4.0454	0.0504	0.2267		0.2658
NUMBER IN GROUP:				6	6	6		6	6	6	6		6
MEAN:				204.3	0.0316	1.0000		1.0175	4.1069	0.0586	0.2435		0.2705
STANDARD DEV:				21.1	0.0037	0.0000		0.0597	0.5175	0.0130	0.0310		0.0352
F	5	C94551	171.1		0.0351	1.0000		1.0299	4.6625	0.0684	0.2396		0.1676
F	5	C94552	201.4		0.0321	1.0000		1.1241	4.9867	0.0611	0.2324		0.1942
F	5	C94553	206.3		0.0335	1.0000		1.0888	5.1703	0.0536	0.2251		0.3001
F	5	C94554	184.4		0.0307	1.0000		1.0241	4.5803	0.0513	0.1887		0.1959

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APPENDIX 6

Individual Organ-to-Brain Weight Ratios

Terminal Sacrifice

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 9

TABLE INCLUDES:

SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=T;SUBSET=ALL

: AD - ADRENAL, BR - BRAIN, EP - EPIDIDYMIDES
: KD - KIDNEY, LI - LIVER, OV - OVARY
ORGAN ABBREVIATION: SP - SPLEEN, TE - TESTIS, TH - THYMUS

SEX	DOSE GROUP	ANIMAL NUMBER	TERMINAL BODY WT (g)	AD	BR	EP	KD	LI	OV	SP	TE	TH
F	5	C94555	192.5	0.0292	1.0000		1.0418	4.8372	0.0496	0.2386		0.3959
F	5	C94556	206.1	0.0372	1.0000		1.2459	4.5191	0.0646	0.2910		0.2498
NUMBER IN GROUP:			6	6	6		6	6	6	6		6
MEAN:			193.6	0.0330	1.0000		1.0924	4.7927	0.0581	0.2359		0.2506
STANDARD DEV:			13.9	0.0029	0.0000		0.0845	0.2526	0.0077	0.0329		0.0856
F	6	C94557	151.5	0.0196	1.0000		0.8739	6.4275	0.0390	0.1618		0.1738
F	6	C94558	154.4	0.0215	1.0000		0.8107	6.0120	0.0368	0.2065		0.2017
F	6	C94559	134.5	0.0195	1.0000		0.7846	5.4928	0.0284	0.2389		0.2304
F	6	C94560	172.6	0.0186	1.0000		0.8015	7.1348	0.0321	0.2528		0.3091
F	6	C94561	161.3	0.0314	1.0000		0.9990	6.7776	0.0405	0.2096		0.2084
F	6	C94562	165.1	0.0289	1.0000		0.9259	5.3713	0.0522	0.2146		0.2536
NUMBER IN GROUP:			6	6	6		6	6	6	6		6
MEAN:			156.6	0.0232	1.0000		0.8659	6.2027	0.0382	0.2140		0.2295
STANDARD DEV:			13.2	0.0055	0.0000		0.0839	0.7044	0.0082	0.0314		0.0474

APPENDIX 6

Individual Organ-to-Brain Weight Ratios

Terminal Sacrifice

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 10

TABLE INCLUDES:

SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=T; SUBSET=ALL

ORGAN ABBREVIATION: TT - THYROID/PARATHYR

SEX	DOSE GROUP	ANIMAL NUMBER	TERMINAL BODY WT (g)	TT
F	1	C94527	213.0	0.0077
F	1	C94528	210.0	0.0074
F	1	C94529	228.8	0.0092
F	1	C94530	235.2	0.0066
F	1	C94531	207.8	0.0088
F	1	C94532	184.7	0.0092
NUMBER IN GROUP:			6	6
MEAN:			213.3	0.0081
STANDARD DEV:			17.8	0.0011
F	2	C94533	200.3	0.0097
F	2	C94534	197.5	0.0105
F	2	C94535	217.3	0.0095
F	2	C94536	204.4	0.0077
F	2	C94537	223.4	0.0094
F	2	C94538	192.6	0.0076
NUMBER IN GROUP:			6	6
MEAN:			205.9	0.0091
STANDARD DEV:			12.0	0.0012
F	3	C94539	217.8	0.0033EX
F	3	C94540	174.2	0.0112
F	3	C94541	234.2	0.0079

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APPENDIX 6

Individual Organ-to-Brain Weight Ratios

Terminal Sacrifice

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 11

TABLE INCLUDES:

SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=T; SUBSET=ALL

ORGAN ABBREVIATION: TT - THYROID/PARATHYR

SEX	DOSE GROUP	ANIMAL NUMBER	TERMINAL BODY WT (g)	TT
F	3	C94542	242.5	0.0125
F	3	C94543	167.9	0.0103
F	3	C94544	185.5	0.0069
NUMBER IN GROUP:			6	5
MEAN:			203.7	0.0098
STANDARD DEV:			32.0	0.0023
F	4	C94545	187.2	0.0070
F	4	C94546	219.7	0.0143
F	4	C94547	237.1	0.0060
F	4	C94548	186.8	0.0080
F	4	C94549	207.7	0.0107
F	4	C94550	187.0	0.0087
NUMBER IN GROUP:			6	6
MEAN:			204.3	0.0091
STANDARD DEV:			21.1	0.0030
F	5	C94551	171.1	0.0067
F	5	C94552	201.4	0.0119
F	5	C94553	206.3	0.0117
F	5	C94554	184.4	0.0079

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APPENDIX 6

Individual Organ-to-Brain Weight Ratios

Terminal Sacrifice

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 12

TABLE INCLUDES:

SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=T; SUBSET=ALL

ORGAN ABBREVIATION: TT - THYROID/PARATHYR

SEX	DOSE GROUP	ANIMAL NUMBER	TERMINAL BODY WT (g)	TT
F	5	C94555	192.5	0.0085
F	5	C94556	206.1	0.0072
NUMBER IN GROUP:			6	6
MEAN:			193.6	0.0090
STANDARD DEV:			13.9	0.0023
F	6	C94557	151.5	0.0078
F	6	C94558	154.4	0.0058
F	6	C94559	134.5	0.0066
F	6	C94560	172.6	0.0045
F	6	C94561	161.3	0.0093
F	6	C94562	165.1	0.0075
NUMBER IN GROUP:			6	6
MEAN:			156.6	0.0069
STANDARD DEV:			13.2	0.0017

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 1

ANIMAL NUMBER: C94491 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 335.4 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 13:01 PROSECTOR: JAMES T. CALLEN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0612	.0182 %	.0290	WEIGHT TAKEN
BRAIN (BR)	2.1109	.6294 %	1.0000	WEIGHT TAKEN
EPIDIDYMIDES (EP)	1.0347	.3085 %	.4902	WEIGHT TAKEN
KIDNEY (KD)	3.6123	1.0770 %	1.7113	WEIGHT TAKEN
LIVER (LI)	14.0407	4.1863 %	6.6515	WEIGHT TAKEN
SPLEEN (SP)	.9276	.2766 %	.4394	WEIGHT TAKEN
TESTIS (TE)	3.4698	1.0345 %	1.6438	WEIGHT TAKEN
THYMUS (TH)	.5026	.1499 %	.2381	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0223	.0066 %	.0106	WEIGHT TAKEN

OBSERVATIONS

NECROPSY

HISTOPATHOLOGY

BRAIN (BR) :
-VACUOLATION, -MINIMAL
LIVER (LI) :
-INFLAMMATION, SUBACUTE, -MINIMAL

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

000780

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 2

ANIMAL NUMBER: C94491 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 335.4 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 13:01 PROSECTOR: JAMES T. CALLEN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA),
TESTIS (TE)

000781

APPENDIX 6

Individual Animal Pathology Data

PAGE: 3

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

ANIMAL NUMBER: C94492 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 361.6 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 9:46 PROSECTOR: TERRI L. WILLIAMS RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0515	.0142 %	.0260	WEIGHT TAKEN
BRAIN (BR)	1.9843	.5488 %	1.0000	WEIGHT TAKEN
EPIDIDYMIDES (EP)	.8785	.2429 %	.4427	WEIGHT TAKEN
KIDNEY (KD)	3.2546	.9001 %	1.6402	WEIGHT TAKEN
LIVER (LI)	13.6908	3.7862 %	6.8996	WEIGHT TAKEN
SPLEEN (SP)	.7517	.2079 %	.3788	WEIGHT TAKEN
TESTIS (TE)	2.9808	.8243 %	1.5022	WEIGHT TAKEN
THYMUS (TH)	.5711	.1579 %	.2878	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0177	.0049 %	.0089	WEIGHT TAKEN

O B S E R V A T I O N S

HISTOPATHOLOGY

NECROPSY

BRAIN (BR) :
-VACUOLATION, -MINIMAL

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

000782

APPENDIX 6

Individual Animal Pathology Data

PAGE: 4

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

ANIMAL NUMBER: C94492 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 361.6 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 9:46 PROSECTOR: TERRI L. WILLIAMS RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), TESTIS (TE)

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Individual Animal Pathology Data

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4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

ANIMAL NUMBER: C94493 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 339.1 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 10:30 PROSECTOR: TERRI L. WILLIAMS RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0563	.0166 %	.0293	WEIGHT TAKEN
BRAIN (BR)	1.9218	.5667 %	1.0000	WEIGHT TAKEN
EPIDIDYMIDES (EP)	.8731	.2575 %	.4543	WEIGHT TAKEN
KIDNEY (KD)	3.6572	1.0785 %	1.9030	WEIGHT TAKEN
LIVER (LI)	12.4081	3.6591 %	6.4565	WEIGHT TAKEN
SPLEEN (SP)	.7500	.2212 %	.3903	WEIGHT TAKEN
TESTIS (TE)	2.8478	.8398 %	1.4818	WEIGHT TAKEN
THYMUS (TH)	.4336	.1279 %	.2256	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0177	.0052 %	.0092	WEIGHT TAKEN

O B S E R V A T I O N S

NECROPSY

HISTOPATHOLOGY

STOMACH, GL (ST) :
-DARK FOCUS(1)/AREA(S); MUCOSA: MULTIPLE BROWN AREAS, UP TO
1 MM IN DIAMETER
GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

BRAIN (BR) :
-VACUOLATION, -MINIMAL
LIVER (LI) :
-INFLAMMATION, SUBACUTE, -MINIMAL
ADRENAL, CORTEX (AC) :
-VACUOLATION, -MINIMAL
STOMACH, GL (ST) :
>UNREMARKABLE

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Individual Animal Pathology Data

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4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

ANIMAL NUMBER: C94493 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 339.1 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 10:30 PROSECTOR: TERRI L. WILLIAMS RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, MEDULLA (MA), TESTIS (TE),
STOMACH, NONGL (SU)

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Individual Animal Pathology Data

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4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

ANIMAL NUMBER: C94494 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 379.4 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 10:02 PROSECTOR: JAMES T. CALLEN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0634	.0167 %	.0299	WEIGHT TAKEN
BRAIN (BR)	2.1238	.5598 %	1.0000	WEIGHT TAKEN
EPIDIDYMIDES (EP)	1.0167	.2680 %	.4787	WEIGHT TAKEN
KIDNEY (KD)	3.7571	.9903 %	1.7690	WEIGHT TAKEN
LIVER (LI)	14.3488	3.7820 %	6.7562	WEIGHT TAKEN
SPLEEN (SP)	.7848	.2069 %	.3695	WEIGHT TAKEN
TESTIS (TE)	3.2911	.8674 %	1.5496	WEIGHT TAKEN
THYMUS (TH)	.6600	.1740 %	.3108	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0299	.0079 %	.0141	WEIGHT TAKEN

OBSERVATIONS

HISTOPATHOLOGY

NECROPSY

BRAIN (BR) :
-VACUOLATION, -MINIMAL
KIDNEY (KD) :
-DEGENERATION, TUBULAR, -MINIMAL
-HYALINE DROPLETS, TUBULAR EPITHELIUM, -SLIGHT
LIVER (LI) :
-INFLAMMATION, SUBACUTE, -MINIMAL
ADRENAL, CORTEX (AC) :
-VACUOLATION, -MINIMAL

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

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Individual Animal Pathology Data

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4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

ANIMAL NUMBER: C94494 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 379.4 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 10:02 PROSECTOR: JAMES T. CALLEN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, MEDULLA (MA), TESTIS (TE)

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Individual Animal Pathology Data

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4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

ANIMAL NUMBER: C94495 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 343.5 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 8:26 PROSECTOR: DONIA MEYER RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0416	.0121 %	.0189	WEIGHT TAKEN
BRAIN (BR)	2.1985	.6400 %	1.0000	WEIGHT TAKEN
EPIDIDYMIDES (EP)	.8446	.2459 %	.3842	WEIGHT TAKEN
KIDNEY (KD)	3.2033	.9325 %	1.4570	WEIGHT TAKEN
LIVER (LI)	13.3219	3.8783 %	6.0595	WEIGHT TAKEN
SPLEEN (SP)	.8125	.2365 %	.3696	WEIGHT TAKEN
TESTIS (TE)	2.9317	.8535 %	1.3335	WEIGHT TAKEN
THYMUS (TH)	.9318	.2713 %	.4238	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0189	.0055 %	.0086	WEIGHT TAKEN

OBSERVATIONS

HISTOPATHOLOGY

NECROPSY

BRAIN (BR) :
-VACUOLATION, -MINIMAL

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

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Individual Animal Pathology Data

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4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

ANIMAL NUMBER: C94495 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 343.5 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 8:26 PROSECTOR: DONIA MEYER RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), TESTIS (TE)

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Individual Animal Pathology Data

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4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

ANIMAL NUMBER: C94496 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 291.7 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 11:34 PROSECTOR: NANCY DIEDRICH RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0725	.0249 %	.0360	WEIGHT TAKEN
BRAIN (BR)	2.0137	.6903 %	1.0000	WEIGHT TAKEN
EPIDIDYIMIDES (EP)	.8805	.3019 %	.4373	WEIGHT TAKEN
KIDNEY (KD)	2.9056	.9961 %	1.4429	WEIGHT TAKEN
LIVER (LI)	9.6607	3.3119 %	4.7975	WEIGHT TAKEN
SPLEEN (SP)	.8029	.2752 %	.3987	WEIGHT TAKEN
TESTIS (TE)	2.8137	.9646 %	1.3973	WEIGHT TAKEN
THYMUS (TH)	.5241	.1797 %	.2603	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0172	.0059 %	.0085	WEIGHT TAKEN

OBSERVATIONS

HISTOPATHOLOGY

NECROPSY

BRAIN (BR) :
-VACUOLATION, -MINIMAL
LIVER (LI) :
-INFLAMMATION, SUBACUTE, -MINIMAL

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

000730

APPENDIX 6

Individual Animal Pathology Data

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4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

ANIMAL NUMBER: C94496 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 291.7 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 11:34 PROSECTOR: NANCY DIEDRICH RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA),
TESTIS (TE)

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APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94497 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 345.7 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 8:23 PROSECTOR: JOHN S. HALFORD RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0579	.0167 %	.0307	WEIGHT TAKEN
BRAIN (BR)	1.8832	.5447 %	1.0000	WEIGHT TAKEN
EPIDIDYIMIDES (EP)	.8967	.2594 %	.4762	WEIGHT TAKEN
KIDNEY (KD)	2.5682	.7429 %	1.3637	WEIGHT TAKEN
LIVER (LI)	11.7523	3.3996 %	6.2406	WEIGHT TAKEN
SPLEEN (SP)	.7741	.2239 %	.4111	WEIGHT TAKEN
TESTIS (TE)	2.8943	.8372 %	1.5369	WEIGHT TAKEN
THYMUS (TH)	.5496	.1590 %	.2918	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0295	.0085 %	.0157	WEIGHT TAKEN

OBSERVATIONS

NECROPSY

HISTOPATHOLOGY

BRAIN (BR) :
-VACUOLATION, -MINIMAL
KIDNEY (KD) :
-INFLAMMATION, CHRONIC, -MINIMAL
LIVER (LI) :
-INFLAMMATION, SUBACUTE, -MINIMAL

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94497 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 345.7 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 8:23 PROSECTOR: JOHN S. HALFORD RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA),
TESTIS (TE)

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Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94498 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 321.0 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 11:20 PROSECTOR: JOHN S. HALFORD RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0630	.0196 %	.0308	WEIGHT TAKEN
BRAIN (BR)	2.0462	.6374 %	1.0000	WEIGHT TAKEN
EPIDIDYIMIDES (EP)	.9478	.2953 %	.4632	WEIGHT TAKEN
KIDNEY (KD)	2.8116	.8759 %	1.3741	WEIGHT TAKEN
LIVER (LI)	11.9965	3.7372 %	5.8628	WEIGHT TAKEN
SPLEEN (SP)	.5888	.1834 %	.2878	WEIGHT TAKEN
TESTIS (TE)	2.7400	.8536 %	1.3391	WEIGHT TAKEN
THYMUS (TH)	.6983	.2175 %	.3413	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0252	.0079 %	.0123	WEIGHT TAKEN

O B S E R V A T I O N S

NECROPSY

HISTOPATHOLOGY

BRAIN (BR) :
-VACUOLATION, -MINIMAL

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

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Individual Animal Pathology Data

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4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

ANIMAL NUMBER: C94498 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 321.0 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 11:20 PROSECTOR: JOHN S. HALFORD RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), TESTIS (TE)

000735

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Individual Animal Pathology Data

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4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

ANIMAL NUMBER: C94499 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 384.3 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 9:48 PROSECTOR: DONIA MEYER RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0454	.0118 %	.0217	WEIGHT TAKEN
BRAIN (BR)	2.0893	.5437 %	1.0000	WEIGHT TAKEN
EPIDIDYIMIDES (EP)	.8275	.2153 %	.3961	WEIGHT TAKEN
KIDNEY (KD)	3.4950	.9094 %	1.6728	WEIGHT TAKEN
LIVER (LI)	14.2738	3.7142 %	6.8319	WEIGHT TAKEN
SPLEEN (SP)	.8183	.2129 %	.3917	WEIGHT TAKEN
TESTIS (TE)	3.0946	.8053 %	1.4812	WEIGHT TAKEN
THYMUS (TH)	.9560	.2488 %	.4576	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0216	.0056 %	.0103	WEIGHT TAKEN

OBSERVATIONS

HISTOPATHOLOGY

NECROPSY

BRAIN (BR) :
-VACUOLATION, -MINIMAL
KIDNEY (KD) :
-INFLAMMATION, CHRONIC, -SLIGHT
LIVER (LI) :
-INFLAMMATION, SUBACUTE, -MINIMAL

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

000796

APPENDIX 6

Individual Animal Pathology Data

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4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

ANIMAL NUMBER: C94499 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 384.3 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 9:48 PROSECTOR: DONIA MEYER RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA),
TESTIS (TE)

APPENDIX 6

Individual Animal Pathology Data

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4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

ANIMAL NUMBER: C94500 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 320.2 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 13:29 PROSECTOR: NANCY DIEDRICH RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0575	.0180 %	.0271	WEIGHT TAKEN
BRAIN (BR)	2.1243	.6634 %	1.0000	WEIGHT TAKEN
EPIDIDYIMIDES (EP)	.8480	.2648 %	.3992	WEIGHT TAKEN
KIDNEY (KD)	3.5756	1.1167 %	1.6832	WEIGHT TAKEN
LIVER (LI)	11.9975	3.7469 %	5.6477	WEIGHT TAKEN
SPLEEN (SP)	.7821	.2443 %	.3682	WEIGHT TAKEN
TESTIS (TE)	2.7896	.8712 %	1.3132	WEIGHT TAKEN
THYMUS (TH)	.8007	.2501 %	.3769	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0213	.0067 %	.0100	WEIGHT TAKEN

OBSERVATIONS

HISTOPATHOLOGY

NECROPSY

BRAIN (BR) :
-VACUOLATION, -MINIMAL
KIDNEY (KD) :
-HYALINE DROPLETS, TUBULAR EPITHELIUM, -MINIMAL
-PYELITIS, -MODERATE
LIVER (LI) :
-INFLAMMATION, SUBACUTE, -MINIMAL
ADRENAL, CORTEX (AC) :
-VACUOLATION, -MINIMAL

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

0007938

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94500 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 320.2 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 13:29 PROSECTOR: NANCY DIEDRICH RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, MEDULLA (MA), TESTIS (TE)

000793

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94501 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 332.4 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 13:14 PROSECTOR: MICHELE ZIMA RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0621	.0187 %	.0300	WEIGHT TAKEN
BRAIN (BR)	2.0688	.6224 %	1.0000	WEIGHT TAKEN
EPIDIDYMIDES (EP)	.9718	.2924 %	.4697	WEIGHT TAKEN
KIDNEY (KD)	3.0639	.9218 %	1.4810	WEIGHT TAKEN
LIVER (LI)	11.6636	3.5089 %	5.6379	WEIGHT TAKEN
SPLEEN (SP)	.8350	.2512 %	.4036	WEIGHT TAKEN
TESTIS (TE)	2.9111	.8758 %	1.4071	WEIGHT TAKEN
THYMUS (TH)	.5562	.1673 %	.2689	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0155	.0047 %	.0075	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

BRAIN (BR) :
-VACUOLATION, -MINIMAL
KIDNEY (KD) :
-HYALINE DROPLETS, TUBULAR EPITHELIUM, -MINIMAL

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94501 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 332.4 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 13:14 PROSECTOR: MICHELE ZIMA RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA),
TESTIS (TE)

000801

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94502 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 323.8 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 8:18 PROSECTOR: NANCY DIEDRICH RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0565	.0174 %	.0283	WEIGHT TAKEN
BRAIN (BR)	1.9994	.6175 %	1.0000	WEIGHT TAKEN
EPIDIDYMIDES (EP)	.8940	.2761 %	.4471	WEIGHT TAKEN
KIDNEY (KD)	3.1062	.9593 %	1.5536	WEIGHT TAKEN
LIVER (LI)	13.0440	4.0284 %	6.5240	WEIGHT TAKEN
SPLEEN (SP)	.7124	.2200 %	.3563	WEIGHT TAKEN
TESTIS (TE)	3.2586	1.0064 %	1.6298	WEIGHT TAKEN
THYMUS (TH)	.5391	.1665 %	.2696	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0273	.0084 %	.0137	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

EYE (EY) :
-VASCULARIZATION, CORNEAL, -MINIMAL
BRAIN (BR) :
-VACUOLATION, -MINIMAL
LIVER (LI) :
-INFLAMMATION, SUBACUTE, -MINIMAL

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

000802

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94502 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 323.8 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 8:18 PROSECTOR: NANCY DIEDRICH RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA),
TESTIS (TE)

000800

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94503 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 338.4 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 11:27 PROSECTOR: MICHELE ZIMA RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0719	.0212 %	.0388	WEIGHT TAKEN
BRAIN (BR)	1.8517	.5472 %	1.0000	WEIGHT TAKEN
EPIDIDYMIDES (EP)	1.0084	.2980 %	.5446	WEIGHT TAKEN
KIDNEY (KD)	3.4730	1.0263 %	1.8756	WEIGHT TAKEN
LIVER (LI)	12.6442	3.7365 %	6.8284	WEIGHT TAKEN
SPLEEN (SP)	.9372	.2770 %	.5061	WEIGHT TAKEN
TESTIS (TE)	3.3072	.9773 %	1.7860	WEIGHT TAKEN
THYMUS (TH)	.7104	.2099 %	.3836	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0198	.0059 %	.0107	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

SKIN (SK) :
-CRUSTED AREA(S); BILATERAL, SHOULDER REGION: TWO DRY, RED,
CRUSTED AREAS, LEFT IS 12 X 9 MM (CAP 21), RIGHT IS 10 X 4
MM (CAP 22)
GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

BRAIN (BR) :
-VACUOLATION, -MINIMAL
LIVER (LI) :
-INFLAMMATION, SUBACUTE, -MINIMAL
SKIN (SK) :
-INFLAMMATION, CHRONIC-ACTIVE, -MODERATE
>NOTE:>WITH ACANTHOSIS.

000804

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94503 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 338.4 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 11:27 PROSECTOR: MICHELE ZIMA RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), URINARY BLADDER (UB),
PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA),
TESTIS (TE)

000805

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94504 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 369.1 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 11:13 PROSECTOR: DONIA MEYER RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0644	.0174 %	.0311	WEIGHT TAKEN
BRAIN (BR)	2.0698	.5608 %	1.0000	WEIGHT TAKEN
EPIDIDYMIDES (EP)	.8887	.2408 %	.4294	WEIGHT TAKEN
KIDNEY (KD)	3.7053	1.0039 %	1.7902	WEIGHT TAKEN
LIVER (LI)	13.2875	3.6000 %	6.4197	WEIGHT TAKEN
SPLEEN (SP)	.7590	.2056 %	.3667	WEIGHT TAKEN
TESTIS (TE)	2.8135	.7623 %	1.3593	WEIGHT TAKEN
THYMUS (TH)	.8812	.2387 %	.4257	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0231	.0063 %	.0112	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

BRAIN (BR) :
-VACUOLATION, -MINIMAL
ADRENAL, CORTEX (AC) :
-VACUOLATION, -MINIMAL

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 28

ANIMAL NUMBER: C94504 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 369.1 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 11:13 PROSECTOR: DONIA MEYER RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, MEDULLA (MA),
TESTIS (TE)

208000

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 29

ANIMAL NUMBER: C94505 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 337.9 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 9:38 PROSECTOR: JAMES T. CALLEN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0562	.0166 %	.0259	WEIGHT TAKEN
BRAIN (BR)	2.1689	.6419 %	1.0000	WEIGHT TAKEN
EPIDIDYMIDES (EP)	1.0062	.2978 %	.4639	WEIGHT TAKEN
KIDNEY (KD)	3.3038	.9777 %	1.5233	WEIGHT TAKEN
LIVER (LI)	13.4179	3.9710 %	6.1865	WEIGHT TAKEN
SPLEEN (SP)	.6947	.2056 %	.3203	WEIGHT TAKEN
TESTIS (TE)	3.1618	.9357 %	1.4578	WEIGHT TAKEN
THYMUS (TH)	.6890	.2039 %	.3177	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0230	.0068 %	.0106	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

EYE (EY) :
-ONE EXAMINED, -PRESENT
>NOTE:>ONE OF PAIR PRESENT.

000803

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 30

ANIMAL NUMBER: C94505 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 337.9 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 9:38 PROSECTOR: JAMES T. CALLEN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), TESTIS (TE)

608000

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 31

ANIMAL NUMBER: C94506 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 322.1 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 12:53 PROSECTOR: MICHELE ZIMA RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0479	.0149 %	.0252	WEIGHT TAKEN
BRAIN (BR)	1.8990	.5896 %	1.0000	WEIGHT TAKEN
EPIDIDYMIDES (EP)	.9847	.3057 %	.5185	WEIGHT TAKEN
KIDNEY (KD)	3.3090	1.0273 %	1.7425	WEIGHT TAKEN
LIVER (LI)	12.2100	3.7907 %	6.4297	WEIGHT TAKEN
SPLEEN (SP)	.7515	.2333 %	.3957	WEIGHT TAKEN
TESTIS (TE)	2.6611	.8262 %	1.4013	WEIGHT TAKEN
THYMUS (TH)	.5349	.1661 %	.2817	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0189	.0059 %	.0100	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

EYE (EY) :
-ONE EXAMINED, -PRESENT
>NOTE:>ONE OF PAIR PRESENT.
BRAIN (BR) :
-VACUOLATION, -MINIMAL
LIVER (LI) :
-INFLAMMATION, SUBACUTE, -MINIMAL
-NECROSIS, -MINIMAL
ADRENAL, CORTEX (AC) :
-VACUOLATION, -MINIMAL

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

000810

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 32

ANIMAL NUMBER: C94506 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 322.1 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 12:53 PROSECTOR: MICHELE ZIMA RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTX (AC),
ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, MEDULLA (MA), TESTIS (TE)

000811

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 33

ANIMAL NUMBER: C94507 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 298.0 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 10:41 PROSECTOR: WENDY CHERRY RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0676	.0227 %	.0333	WEIGHT TAKEN
BRAIN (BR)	2.0294	.6810 %	1.0000	WEIGHT TAKEN
EPIDIDYIMIDES (EP)	.8627	.2895 %	.4251	WEIGHT TAKEN
KIDNEY (KD)	2.9125	.9773 %	1.4352	WEIGHT TAKEN
LIVER (LI)	11.2672	3.7809 %	5.5520	WEIGHT TAKEN
SPLEEN (SP)	.6989	.2345 %	.3444	WEIGHT TAKEN
TESTIS (TE)	3.2209	1.0808 %	1.5871	WEIGHT TAKEN
THYMUS (TH)	.5221	.1752 %	.2573	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0224	.0075 %	.0110	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

BRAIN (BR) :
-VACUOLATION, -MINIMAL
LIVER (LI) :
-INFLAMMATION, SUBACUTE, -MINIMAL

000812

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 34

ANIMAL NUMBER: C94507 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 298.0 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 10:41 PROSECTOR: WENDY CHERRY RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYIMIDES (EP)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA),
TESTIS (TE)

000813

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 35

ANIMAL NUMBER: C94508 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 357.8 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 11:23 PROSECTOR: JAMES T. CALLEN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0567	.0158 %	.0272	WEIGHT TAKEN
BRAIN (BR)	2.0861	.5830 %	1.0000	WEIGHT TAKEN
EPIDIDYMIDES (EP)	1.1055	.3090 %	.5299	WEIGHT TAKEN
KIDNEY (KD)	3.3758	.9435 %	1.6182	WEIGHT TAKEN
LIVER (LI)	13.4521	3.7597 %	6.4484	WEIGHT TAKEN
SPLEEN (SP)	.8250	.2306 %	.3955	WEIGHT TAKEN
TESTIS (TE)	2.8780	.8044 %	1.3796	WEIGHT TAKEN
THYMUS (TH)	.7962	.2225 %	.3817	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0282	.0079 %	.0135	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

BRAIN (BR) :
-VACUOLATION, -MINIMAL

000814

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 36

ANIMAL NUMBER: C94508 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 357.8 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 11:23 PROSECTOR: JAMES T. CALLEN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), TESTIS (TE)

000815

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 37

ANIMAL NUMBER: C94509 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 301.9 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 13:52 PROSECTOR: JOHN S. HALFORD RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0566	.0187 %	.0259	WEIGHT TAKEN
BRAIN (BR)	2.1850	.7237 %	1.0000	WEIGHT TAKEN
EPIDIDYMIDES (EP)	.9372	.3104 %	.4289	WEIGHT TAKEN
KIDNEY (KD)	3.0753	1.0186 %	1.4075	WEIGHT TAKEN
LIVER (LI)	10.1043	3.3469 %	4.6244	WEIGHT TAKEN
SPLEEN (SP)	.5576	.1847 %	.2552	WEIGHT TAKEN
TESTIS (TE)	3.0521	1.0110 %	1.3968	WEIGHT TAKEN
THYMUS (TH)	.6354	.2105 %	.2908	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0160	.0053 %	.0073	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

BRAIN (BR) :
-VACUOLATION, -MINIMAL
KIDNEY (KD) :
-CYST, -MINIMAL
LIVER (LI) :
-INFLAMMATION, SUBACUTE, -MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR, -MINIMAL

000816

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 38

ANIMAL NUMBER: C94509 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 301.9 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 13:52 PROSECTOR: JOHN S. HALFORD RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA),
TESTIS (TE)

000817

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 39

ANIMAL NUMBER: C94510 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 282.3 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 10:36 PROSECTOR: NANCY DIEDRICH RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN S T A T U S
ADRENAL (AD)	.0478	.0169 %	.0238	WEIGHT TAKEN
BRAIN (BR)	2.0063	.7107 %	1.0000	WEIGHT TAKEN
EPIDIDYMIDES (EP)	.7471	.2646 %	.3724	WEIGHT TAKEN
KIDNEY (KD)	2.9461	1.0436 %	1.4684	WEIGHT TAKEN
LIVER (LI)	10.3504	3.6665 %	5.1589	WEIGHT TAKEN
SPLEEN (SP)	.7116	.2521 %	.3547	WEIGHT TAKEN
TESTIS (TE)	2.6666	.9446 %	1.3291	WEIGHT TAKEN
THYMUS (TH)	.4856	.1720 %	.2420	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0192	.0068 %	.0096	WEIGHT TAKEN

NECROPSY

O B S E R V A T I O N S

HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

BRAIN (BR) :
-VACUOLATION, -MINIMAL
LIVER (LI) :
-INFLAMMATION, SUBACUTE, -MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, CENTRIOLOBULAR, -MINIMAL

000818

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 40

ANIMAL NUMBER: C94510 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 282.3 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 10:36 PROSECTOR: NANCY DIEDRICH RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYIMIDES (EP)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA),
TESTIS (TE)

000819

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94511 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 308.5 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 13:45 PROSECTOR: WENDY CHERRY RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0530	.0172 %	.0260	WEIGHT TAKEN
BRAIN (BR)	2.0354	.6598 %	1.0000	WEIGHT TAKEN
EPIDIDYMIDES (EP)	.8228	.2667 %	.4042	WEIGHT TAKEN
KIDNEY (KD)	2.9192	.9463 %	1.4342	WEIGHT TAKEN
LIVER (LI)	12.4616	4.0394 %	6.1224	WEIGHT TAKEN
SPLEEN (SP)	.6977	.2262 %	.3428	WEIGHT TAKEN
TESTIS (TE)	2.6572	.8613 %	1.3055	WEIGHT TAKEN
THYMUS (TH)	.5913	.1917 %	.2905	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0111	.0036 %	.0055	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

BRAIN (BR) :
-VACUOLATION, -MINIMAL
KIDNEY (KD) :
-INFLAMMATION, CHRONIC, -MINIMAL
LIVER (LI) :
-INFLAMMATION, SUBACUTE, -MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, CENTRIOBULAR, -SLIGHT
ADRENAL, CORTEX (AC) :
-VACUOLATION, -MINIMAL

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

000820

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 42

ANIMAL NUMBER: C94511 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 308.5 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 13:45 PROSECTOR: WENDY CHERRY RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, MEDULLA (MA), TESTIS (TE)

000821

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94512 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 365.6 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 9:44 PROSECTOR: NANCY DIEDRICH RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0377	.0103 %	.0191	WEIGHT TAKEN
BRAIN (BR)	1.9763	.5406 %	1.0000	WEIGHT TAKEN
EPIDIDYMIDES (EP)	.9490	.2596 %	.4802	WEIGHT TAKEN
KIDNEY (KD)	3.1823	.8704 %	1.6102	WEIGHT TAKEN
LIVER (LI)	13.9926	3.8273 %	7.0802	WEIGHT TAKEN
SPLEEN (SP)	.7251	.1983 %	.3669	WEIGHT TAKEN
TESTIS (TE)	3.1206	.8536 %	1.5790	WEIGHT TAKEN
THYMUS (TH)	.5207	.1424 %	.2635	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0254	.0069 %	.0129	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

ADRENAL, CORTEX (AC) :
-SMALL; RIGHT: 3 X 2 X 1 MM (FOR COMPARISON, LEFT IS 5 X 3 X
2 MM)
GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

BRAIN (BR) :
-VACUOLATION, -MINIMAL
LIVER (LI) :
-HYPERTROPHY, HEPATOCELLULAR, CENTRIOBULAR, -MINIMAL
ADRENAL, CORTEX (AC) :
>UNREMARKABLE

000822

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94512 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 365.6 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 9:44 PROSECTOR: NANCY DIEDRICH RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, MEDULLA (MA),
TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), LUNG (LU),
TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, MEDULLA (MA), TESTIS (TE)

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94513 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 330.7 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 11:24 PROSECTOR: JILL PAUS RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0538	.0163 %	.0242	WEIGHT TAKEN
BRAIN (BR)	2.2273	.6735 %	1.0000	WEIGHT TAKEN
EPIDIDYMIDES (EP)	.8336	.2521 %	.3743	WEIGHT TAKEN
KIDNEY (KD)	3.5906	1.0858 %	1.6121	WEIGHT TAKEN
LIVER (LI)	13.3383	4.0334 %	5.9886	WEIGHT TAKEN
SPLEEN (SP)	.6600	.1996 %	.2963	WEIGHT TAKEN
TESTIS (TE)	2.9338	.8871 %	1.3172	WEIGHT TAKEN
THYMUS (TH)	.5986	.1810 %	.2688	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0216	.0065 %	.0097	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

BRAIN (BR) :
-VACUOLATION, -MINIMAL
LIVER (LI) :
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR, -MINIMAL

000824

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94513 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 330.7 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 11:24 PROSECTOR: JILL PAUS RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA),
TESTIS (TE)

000825

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94514 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 349.8 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 10:22 PROSECTOR: JILL PAUS RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0630	.0180 %	.0270	WEIGHT TAKEN
BRAIN (BR)	2.3348	.6675 %	1.0000	WEIGHT TAKEN
EPIDIDYMIDES (EP)	.9083	.2597 %	.3890	WEIGHT TAKEN
KIDNEY (KD)	3.6837	1.0531 %	1.5777	WEIGHT TAKEN
LIVER (LI)	13.7000	3.9165 %	5.8677	WEIGHT TAKEN
SPLEEN (SP)	.8910	.2547 %	.3816	WEIGHT TAKEN
TESTIS (TE)	3.1234	.8929 %	1.3378	WEIGHT TAKEN
THYMUS (TH)	.6808	.1946 %	.2916	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0304	.0087 %	.0130	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

BRAIN (BR) :
-VACUOLATION, -MINIMAL
LIVER (LI) :
-INFLAMMATION, SUBACUTE, -SLIGHT
-HYPERTROPHY, HEPATOCELLULAR, CENTRIOLOBULAR, -MINIMAL

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94514 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 349.8 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 10:22 PROSECTOR: JILL PAUS RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA),
TESTIS (TE)

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 49

ANIMAL NUMBER: C94515 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 331.8 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 8:25 PROSECTOR: MICHELE ZIMA RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0545	.0164 %	.0249	WEIGHT TAKEN
BRAIN (BR)	2.1887	.6596 %	1.0000	WEIGHT TAKEN
EPIDIDYMIDES (EP)	.8303	.2502 %	.3794	WEIGHT TAKEN
KIDNEY (KD)	3.4080	1.0271 %	1.5571	WEIGHT TAKEN
LIVER (LI)	17.4565	5.2612 %	7.9757	WEIGHT TAKEN
SPLEEN (SP)	.6778	.2043 %	.3097	WEIGHT TAKEN
TESTIS (TE)	3.0282	.9127 %	1.3836	WEIGHT TAKEN
THYMUS (TH)	.7223	.2177 %	.3300	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0252	.0076 %	.0115	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

BRAIN (BR) :
-VACUOLATION, -MINIMAL
LIVER (LI) :
-INFLAMMATION, SUBACUTE, -SLIGHT
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR, -MODERATE
-NECROSIS, -MINIMAL

000828

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94515 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 331.8 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 8:25 PROSECTOR: MICHELE ZIMA RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA),
TESTIS (TE)

000829

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94516 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 295.2 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 8:27 PROSECTOR: TERRI L. WILLIAMS RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0456	.0154 %	.0222	WEIGHT TAKEN
BRAIN (BR)	2.0552	.6962 %	1.0000	WEIGHT TAKEN
EPIDIDYMIDES (EP)	.7772	.2633 %	.3782	WEIGHT TAKEN
KIDNEY (KD)	3.1619	1.0711 %	1.5385	WEIGHT TAKEN
LIVER (LI)	16.0421	5.4343 %	7.8056	WEIGHT TAKEN
SPLEEN (SP)	.7592	.2572 %	.3694	WEIGHT TAKEN
TESTIS (TE)	3.0667	1.0389 %	1.4922	WEIGHT TAKEN
THYMUS (TH)	.7229	.2449 %	.3517	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0201	.0068 %	.0098	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

BRAIN (BR) :
-VACUOLATION, -MINIMAL
LIVER (LI) :
-HYPERTROPHY, HEPATOCELLULAR, CENTRIOLOBULAR, -MODERATE

000830

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 52

ANIMAL NUMBER: C94516 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 295.2 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 8:27 PROSECTOR: TERRI L. WILLIAMS RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA),
TESTIS (TE)

000831

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 53

ANIMAL NUMBER: C94517 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 337.9 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 12:57 PROSECTOR: JOHN S. HALFORD RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0725	.0215 %	.0369	WEIGHT TAKEN
BRAIN (BR)	1.9646	.5814 %	1.0000	WEIGHT TAKEN
EPIDIDYMIDES (EP)	1.1014	.3260 %	.5606	WEIGHT TAKEN
KIDNEY (KD)	3.6453	1.0788 %	1.8555	WEIGHT TAKEN
LIVER (LI)	15.5417	4.5995 %	7.9109	WEIGHT TAKEN
SPLEEN (SP)	.6331	.1874 %	.3223	WEIGHT TAKEN
TESTIS (TE)	3.1028	.9183 %	1.5794	WEIGHT TAKEN
THYMUS (TH)	.5009	.1482 %	.2550	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0207	.0061 %	.0105	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

BRAIN (BR) :
-VACUOLATION, -MINIMAL
LIVER (LI) :
-INFLAMMATION, SUBACUTE, -MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, CENTRIOBULAR, -MODERATE
-VACUOLATION, HEPATOCELLULAR, -MINIMAL

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

000832

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94517 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 337.9 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 12:57 PROSECTOR: JOHN S. HALFORD RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA),
TESTIS (TE)

000833

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94518 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 316.7 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 8:19 PROSECTOR: WENDY CHERRY RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0549	.0173 %	.0272	WEIGHT TAKEN
BRAIN (BR)	2.0189	.6375 %	1.0000	WEIGHT TAKEN
EPIDIDYMIDES (EP)	.7763	.2451 %	.3845	WEIGHT TAKEN
KIDNEY (KD)	3.1469	.9937 %	1.5587	WEIGHT TAKEN
LIVER (LI)	19.5437	6.1710 %	9.6804	WEIGHT TAKEN
SPLEEN (SP)	.7817	.2468 %	.3872	WEIGHT TAKEN
TESTIS (TE)	2.7821	.8785 %	1.3780	WEIGHT TAKEN
THYMUS (TH)	.7942	.2508 %	.3934	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0203	.0064 %	.0101	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

BRAIN (BR) :
-VACUOLATION, -MINIMAL
KIDNEY (KD) :
-DEGENERATION, TUBULAR, -MINIMAL
LIVER (LI) :
-INFLAMMATION, SUBACUTE, -MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR, -MODERATELY
SEVERE
-VACUOLATION, HEPATOCELLULAR, -MINIMAL

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

000834

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94518 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 316.7 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 8:19 PROSECTOR: WENDY CHERRY RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA),
TESTIS (TE)

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94519 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 317.4 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 11:16 PROSECTOR: NANCY DIEDRICH RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0522	.0164 %	.0243	WEIGHT TAKEN
BRAIN (BR)	2.1524	.6781 %	1.0000	WEIGHT TAKEN
EPIDIDYIMIDES (EP)	.7815	.2462 %	.3631	WEIGHT TAKEN
KIDNEY (KD)	3.0339	.9559 %	1.4095	WEIGHT TAKEN
LIVER (LI)	14.5708	4.5907 %	6.7696	WEIGHT TAKEN
SPLEEN (SP)	.7127	.2245 %	.3311	WEIGHT TAKEN
TESTIS (TE)	2.8462	.8967 %	1.3223	WEIGHT TAKEN
THYMUS (TH)	.5508	.1735 %	.2559	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0172	.0054 %	.0080	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

BRAIN (BR) :
-VACUOLATION, -MINIMAL
LIVER (LI) :
-INFLAMMATION, SUBACUTE, -MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, CENTRIOBULAR, -MODERATE

000836

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94519 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 317.4 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 11:16 PROSECTOR: NANCY DIEDRICH RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA),
TESTIS (TE)

000837

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94520 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 325.4 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 8:50 PROSECTOR: JILL PAUS RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0485	.0149 %	.0223	WEIGHT TAKEN
BRAIN (BR)	2.1764	.6688 %	1.0000	WEIGHT TAKEN
EPIDIDYMIDES (EP)	.8017	.2464 %	.3684	WEIGHT TAKEN
KIDNEY (KD)	3.3572	1.0317 %	1.5425	WEIGHT TAKEN
LIVER (LI)	17.1128	5.2590 %	7.8629	WEIGHT TAKEN
SPLEEN (SP)	.4740	.1457 %	.2178	WEIGHT TAKEN
TESTIS (TE)	3.0040	.9232 %	1.3803	WEIGHT TAKEN
THYMUS (TH)	.6690	.2056 %	.3074	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0278	.0085 %	.0128	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

BRAIN (BR) :
-VACUOLATION, -MINIMAL
LIVER (LI) :
-INFLAMMATION, SUBACUTE, -MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, CENTRIOBULAR, -MODERATELY
SEVERE
PANCREAS (PA) :
-INFLAMMATION, CHRONIC, -SLIGHT
-HEMORRHAGE, -MINIMAL

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94520 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 325.4 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 8:50 PROSECTOR: JILL PAUS RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), KIDNEY (KD), SPLEEN (SP), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), TESTIS (TE)

000839

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94521 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 226.3 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 10:03 PROSECTOR: NANCY DIEDRICH RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
ADRENAL (AD)	.0436	.0193 %	.0231	WEIGHT TAKEN
BRAIN (BR)	1.8883	.8344 %	1.0000	WEIGHT TAKEN
EPIDIDYMIDES (EP)	.6830	.3018 %	.3617	WEIGHT TAKEN
KIDNEY (KD)	2.3557	1.0410 %	1.2475	WEIGHT TAKEN
LIVER (LI)	20.2477	8.9473 %	10.7227	WEIGHT TAKEN
SPLEEN (SP)	.6046	.2672 %	.3202	WEIGHT TAKEN
TESTIS (TE)	3.1040	1.3716 %	1.6438	WEIGHT TAKEN
THYMUS (TH)	.6047	.2672 %	.3202	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0149	.0066 %	.0079	WEIGHT TAKEN

NECROPSY

O B S E R V A T I O N S

HISTOPATHOLOGY

LIVER (LI) :
-LARGE; ALL LOBES: THICKENED

STOMACH, GL (ST) :
-RED FOCUS(I)/AREA(S); MUCOSA: SINGLE FOCUS, 1 MM IN
DIAMETER

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN
-ANIMAL THIN

BRAIN (BR) :
-VACUOLATION, -MINIMAL
LIVER (LI) :
-HYPERTROPHY, HEPATOCELLULAR, CENTRIOBULAR, -MODERATELY
SEVERE
LN, MESENTERIC (MS) :
-HEMORRHAGE, -MINIMAL
STOMACH, GL (ST) :
>UNREMARKABLE

000840

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94521 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 226.3 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 10:03 PROSECTOR: NANCY DIEDRICH RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), TESTIS (TE)

000811

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94522 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 243.9 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 13:17 PROSECTOR: WENDY CHERRY RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0735	.0301 %	.0380	WEIGHT TAKEN
BRAIN (BR)	1.9366	.7940 %	1.0000	WEIGHT TAKEN
EPIDIDYMIDES (EP)	.7866	.3225 %	.4062	WEIGHT TAKEN
KIDNEY (KD)	2.8945	1.1868 %	1.4946	WEIGHT TAKEN
LIVER (LI)	19.4615	7.9793 %	10.0493	WEIGHT TAKEN
SPLEEN (SP)	.5137	.2106 %	.2653	WEIGHT TAKEN
TESTIS (TE)	3.2106	1.3164 %	1.6579	WEIGHT TAKEN
THYMUS (TH)	.4000	.1640 %	.2065	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0172	.0071 %	.0089	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

LIVER (LI) :
-LARGE; ALL LOBES, THICKENED
-LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN AREAS, UP
TO 3 X 4 MM; COLLECTED ON ROUTINE SECTION
-DIFFUSELY DARK; ALL LOBES: BROWN
LN, MANDIBULAR (MN) :
-MOTTLED; BILATERAL: RED AND TAN
GENERAL COMMENT (GC) :
-MALOCCLUSION; BILATERAL UPPER INCISORS
-BONE MARROW SMEAR TAKEN
-DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY

BRAIN (BR) :
-VACUOLATION, -MINIMAL
LIVER (LI) :
-HYPERTROPHY, HEPATOCELLULAR, CENTRIOBULAR, -SEVERE
-NECROSIS, -MODERATE
LN, MANDIBULAR (MN) :
>TISSUE MISSING
>NOTE:>MANDIBULAR LYMPH NODE MISSING IN RETRIM.

000812

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 64

ANIMAL NUMBER: C94522 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 243.9 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 13:17 PROSECTOR: WENDY CHERRY RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR),
SEMINAL VESICLES (SV), EPIDIDYMIDES (EP)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA),
TESTIS (TE)

000843

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 65

ANIMAL NUMBER: C94523 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 07/06/98 STUDY DAY OF DEATH: 25 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 07/06/98 12:17 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

NECROPSY

O B S E R V A T I O N S

HISTOPATHOLOGY

BRAIN (BR) :
-VACUOLATION, -MINIMAL
LIVER (LI) :
-HYPERTROPHY, HEPATOCELLULAR, CENTRIOBULAR, -SEVERE
-NECROSIS, -MODERATELY SEVERE

GENERAL COMMENT (GC) :
-MALOCCLUSION; BILATERAL, UPPER INCISORS
-DISCHARGE-NASAL; DARK RED AND DRY MATERIAL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA),
TESTIS (TE)

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 66

ANIMAL NUMBER: C94524 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 211.8 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 9:57 PROSECTOR: JILL PAUS RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0573	.0271 %	.0290	WEIGHT TAKEN
BRAIN (BR)	1.9767	.9333 %	1.0000	WEIGHT TAKEN
EPIDIDYMIDES (EP)	.6364	.3005 %	.3220	WEIGHT TAKEN
KIDNEY (KD)	2.4286	1.1466 %	1.2286	WEIGHT TAKEN
LIVER (LI)	18.0054	8.5011 %	9.1088	WEIGHT TAKEN
SPLEEN (SP)	.6151	.2904 %	.3112	WEIGHT TAKEN
TESTIS (TE)	2.4897	1.1755 %	1.2595	WEIGHT TAKEN
THYMUS (TH)	.3243	.1531 %	.1641	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0191	.0090 %	.0097	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

SEMINAL VESICLES (SV) :
-SMALL; BILATERAL: EACH IS 7 X 4 X 1 MM
GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

BRAIN (BR) :
-VACUOLATION, -MINIMAL
LIVER (LI) :
-HYPERTROPHY, HEPATOCELLULAR, CENTRIOBULAR, -SEVERE
-NECROSIS, -MODERATE
SEMINAL VESICLES (SV) :
-SECRETION, DECREASED, -MODERATE

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 67

ANIMAL NUMBER: C94524 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 211.8 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 9:57 PROSECTOR: JILL PAUS RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA),
TESTIS (TE)

000846

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 68

ANIMAL NUMBER: C94525 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 228.0 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 12:54 PROSECTOR: TERRI L. WILLIAMS RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0507	.0222 %	.0236	WEIGHT TAKEN
BRAIN (BR)	2.1492	.9426 %	1.0000	WEIGHT TAKEN
EPIDIDYMIDES (EP)	.7775	.3410 %	.3618	WEIGHT TAKEN
KIDNEY (KD)	2.5308	1.1100 %	1.1776	WEIGHT TAKEN
LIVER (LI)	19.5937	8.5937 %	9.1167	WEIGHT TAKEN
SPLEEN (SP)	.6822	.2992 %	.3174	WEIGHT TAKEN
TESTIS (TE)	3.1146	1.3661 %	1.4492	WEIGHT TAKEN
THYMUS (TH)	.4146	.1818 %	.1929	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0303	.0133 %	.0141	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

ADRENAL, CORTEX (AC) :
-DIFFUSELY RED; BILATERAL
GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

BRAIN (BR) :
-VACUOLATION, -MINIMAL
LIVER (LI) :
-INFLAMMATION, SUBACUTE, -MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR, -MODERATELY
SEVERE
ADRENAL, CORTEX (AC) :
>UNREMARKABLE

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94525 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 228.0 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 12:54 PROSECTOR: TERRI L. WILLIAMS RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, MEDULLA (MA),
TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), LUNG (LU),
TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYIMIDES (EP)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, MEDULLA (MA), TESTIS (TE)

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94526 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 229.1 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 10:24 PROSECTOR: MICHELE ZIMA RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0596	.0260 %	.0290	WEIGHT TAKEN
BRAIN (BR)	2.0535	.8963 %	1.0000	WEIGHT TAKEN
EPIDIDYIMIDES (EP)	.7748	.3382 %	.3773	WEIGHT TAKEN
KIDNEY (KD)	2.7529	1.2016 %	1.3406	WEIGHT TAKEN
LIVER (LI)	20.7386	9.0522 %	10.0991	WEIGHT TAKEN
SPLEEN (SP)	.4943	.2158 %	.2407	WEIGHT TAKEN
TESTIS (TE)	3.0650	1.3378 %	1.4926	WEIGHT TAKEN
THYMUS (TH)	.5015	.2189 %	.2442	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0172	.0075 %	.0084	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

STOMACH, GL (ST) :
-DARK FOCUS(I)/AREA(S); MUCOSA: TWO DARK BROWN AREAS, EACH
IS 2 X 1 MM
GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

BRAIN (BR) :
-VACUOLATION, -MINIMAL
LIVER (LI) :
-HYPERTROPHY, HEPATOCELLULAR, CENTRIOBULAR, -MODERATELY
SEVERE
STOMACH, GL (ST) :
-EROSION, -SLIGHT

000849

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94526 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 229.1 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 10:24 PROSECTOR: MICHELE ZIMA RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYIMIDES (EP)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA),
TESTIS (TE)

000850

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94527 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 213.0 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 8:48 PROSECTOR: WENDY CHERRY RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0715	.0336 %	.0357	WEIGHT TAKEN
BRAIN (BR)	2.0013	.9396 %	1.0000	WEIGHT TAKEN
KIDNEY (KD)	2.0130	.9451 %	1.0058	WEIGHT TAKEN
LIVER (LI)	7.4326	3.4895 %	3.7139	WEIGHT TAKEN
OVARY (OV)	.1162	.0546 %	.0581	WEIGHT TAKEN
SPLEEN (SP)	.5561	.2611 %	.2779	WEIGHT TAKEN
THYMUS (TH)	.4566	.2144 %	.2282	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0155	.0073 %	.0077	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

UTERUS (UT) :
-LUMEN FILLED WITH FLUID; BILATERAL: CLEAR FLUID
GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

LIVER (LI) :
-INFLAMMATION, SUBACUTE, -MINIMAL
UTERUS (UT) :
-DILATATION, -SLIGHT

000851

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94527 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 213.0 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 8:48 PROSECTOR: WENDY CHERRY RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), OVARY (OV)

000852

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94528 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 210.0 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 8:53 PROSECTOR: JOHN S. HALFORD RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0706	.0336 %	.0368	WEIGHT TAKEN
BRAIN (BR)	1.9160	.9124 %	1.0000	WEIGHT TAKEN
KIDNEY (KD)	1.9295	.9188 %	1.0070	WEIGHT TAKEN
LIVER (LI)	7.8862	3.7553 %	4.1160	WEIGHT TAKEN
OVARY (OV)	.0945	.0450 %	.0493	WEIGHT TAKEN
SPLEEN (SP)	.3804	.1811 %	.1985	WEIGHT TAKEN
THYMUS (TH)	.6013	.2863 %	.3138	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0141	.0067 %	.0074	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

BRAIN (BR) :
-VACUOLATION, -MINIMAL
LIVER (LI) :
-VACUOLATION, HEPATOCELLULAR, -MINIMAL

000853

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 75

ANIMAL NUMBER: C94528 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 210.0 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 8:53 PROSECTOR: JOHN S. HALFORD RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA),
OVARY (OV)

000854

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 76

ANIMAL NUMBER: C94529 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 228.8 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 13:27 PROSECTOR: JOHN S. HALFORD RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.1022	.0447 %	.0532	WEIGHT TAKEN
BRAIN (BR)	1.9228	.8404 %	1.0000	WEIGHT TAKEN
KIDNEY (KD)	2.6260	1.1477 %	1.3657	WEIGHT TAKEN
LIVER (LI)	8.7876	3.8407 %	4.5702	WEIGHT TAKEN
OVARY (OV)	.1418	.0620 %	.0737	WEIGHT TAKEN
SPLEEN (SP)	.6896	.3014 %	.3586	WEIGHT TAKEN
THYMUS (TH)	.6188	.2705 %	.3218	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0177	.0077 %	.0092	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

BRAIN (BR) :
-VACUOLATION, -MINIMAL
LIVER (LI) :
-INFLAMMATION, SUBACUTE, -MINIMAL
-VACUOLATION, HEPATOCELLULAR, -MINIMAL

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 77

ANIMAL NUMBER: C94529 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 228.8 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 13:27 PROSECTOR: JOHN S. HALFORD RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA),
OVARY (OV)

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 78

ANIMAL NUMBER: C94530 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 235.2 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 11:13 PROSECTOR: TERRI L. WILLIAMS RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0605	.0257 %	.0298	WEIGHT TAKEN
BRAIN (BR)	2.0288	.8626 %	1.0000	WEIGHT TAKEN
KIDNEY (KD)	2.1802	.9270 %	1.0746	WEIGHT TAKEN
LIVER (LI)	8.2680	3.5153 %	4.0753	WEIGHT TAKEN
OVARY (OV)	.1644	.0699 %	.0810	WEIGHT TAKEN
SPLEEN (SP)	.5085	.2162 %	.2506	WEIGHT TAKEN
THYMUS (TH)	.5445	.2315 %	.2684	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0133	.0057 %	.0066	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

GENERAL COMMENT (GC):
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

BRAIN (BR):
-VACUOLATION, -MINIMAL
LIVER (LI):
-VACUOLATION, HEPATOCELLULAR, -MINIMAL

000857

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 79

ANIMAL NUMBER: C94530 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 235.2 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 11:13 PROSECTOR: TERRI L. WILLIAMS RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA),
OVARY (OV)

000858

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94531 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 207.8 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 11:43 PROSECTOR: DONIA MEYER RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0655	.0315 %	.0335	WEIGHT TAKEN
BRAIN (BR)	1.9550	.9408 %	1.0000	WEIGHT TAKEN
KIDNEY (KD)	2.0538	.9884 %	1.0505	WEIGHT TAKEN
LIVER (LI)	7.5010	3.6097 %	3.8368	WEIGHT TAKEN
OVARY (OV)	.1314	.0632 %	.0672	WEIGHT TAKEN
SPLEEN (SP)	.4679	.2252 %	.2393	WEIGHT TAKEN
THYMUS (TH)	.5398	.2598 %	.2761	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0173	.0083 %	.0088	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

BRAIN (BR) :
-VACUOLATION, -MINIMAL
LIVER (LI) :
-VACUOLATION, HEPATOCELLULAR, -MINIMAL

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

GENERAL INFORMATION (XX) :
>NOTE:>ANIMAL IDENTIFICATION TRANSPONDER DAMAGED AT NECROPSY

000859

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94531 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 207.8 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 11:43 PROSECTOR: DONIA MEYER RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA),
OVARY (OV)

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94532 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 184.7 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 13:04 PROSECTOR: JILL PAUS RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0682	.0369 %	.0358	WEIGHT TAKEN
BRAIN (BR)	1.9062	1.0321 %	1.0000	WEIGHT TAKEN
KIDNEY (KD)	1.7582	.9519 %	.9224	WEIGHT TAKEN
LIVER (LI)	6.6326	3.5910 %	3.4795	WEIGHT TAKEN
OVARY (OV)	.1150	.0623 %	.0603	WEIGHT TAKEN
SPLEEN (SP)	.4453	.2411 %	.2336	WEIGHT TAKEN
THYMUS (TH)	.5121	.2773 %	.2686	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0175	.0095 %	.0092	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

BRAIN (BR) :
-VACUOLATION, -MINIMAL
KIDNEY (KD) :
-CYST, -MINIMAL

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

000861

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 83

ANIMAL NUMBER: C94532 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 184.7 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 13:04 PROSECTOR: JILL PAUS RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA),
OVARY (OV)

000862

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 84

ANIMAL NUMBER: C94533 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 200.3 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 9:52 PROSECTOR: WENDY CHERRY RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0639	.0319 %	.0313	WEIGHT TAKEN
BRAIN (BR)	2.0393	1.0181 %	1.0000	WEIGHT TAKEN
KIDNEY (KD)	1.9056	.9514 %	.9344	WEIGHT TAKEN
LIVER (LI)	8.3329	4.1602 %	4.0862	WEIGHT TAKEN
OVARY (OV)	.1402	.0700 %	.0687	WEIGHT TAKEN
SPLEEN (SP)	.5051	.2522 %	.2477	WEIGHT TAKEN
THYMUS (TH)	.4569	.2281 %	.2240	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0197	.0098 %	.0097	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

BRAIN (BR) :
-VACUOLATION, -MINIMAL
LIVER (LI) :
-VACUOLATION, HEPATOCELLULAR, -MINIMAL

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

000863

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 85

ANIMAL NUMBER: C94533 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 200.3 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 9:52 PROSECTOR: WENDY CHERRY RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA),
OVARY (OV)

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 86

ANIMAL NUMBER: C94534 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 197.5 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 10:50 PROSECTOR: JILL PAUS RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0655	.0332 %	.0318	WEIGHT TAKEN
BRAIN (BR)	2.0617	1.0439 %	1.0000	WEIGHT TAKEN
KIDNEY (KD)	1.9166	.9704 %	.9296	WEIGHT TAKEN
LIVER (LI)	7.1556	3.6231 %	3.4707	WEIGHT TAKEN
OVARY (OV)	.1380	.0699 %	.0669	WEIGHT TAKEN
SPLEEN (SP)	.4487	.2272 %	.2176	WEIGHT TAKEN
THYMUS (TH)	.3874	.1962 %	.1879	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0217	.0110 %	.0105	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

BRAIN (BR) :
-VACUOLATION, -MINIMAL
KIDNEY (KD) :
-DEGENERATION, TUBULAR, -MINIMAL
LIVER (LI) :
-VACUOLATION, HEPATOCELLULAR, -MINIMAL
LN, MESENTERIC (MS) :
>TISSUE MISSING
>NOTE:>MESENTERIC LYMPH NODE MISSING IN RETRIM.

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94534 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 197.5 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 10:50 PROSECTOR: JILL PAUS RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), OVARY (OV)

000866

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94535 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 217.3 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 8:18 PROSECTOR: JILL PAUS RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0683	.0314 %	.0330	WEIGHT TAKEN
BRAIN (BR)	2.0698	.9525 %	1.0000	WEIGHT TAKEN
KIDNEY (KD)	1.8145	.8350 %	.8767	WEIGHT TAKEN
LIVER (LI)	7.8013	3.5901 %	3.7691	WEIGHT TAKEN
OVARY (OV)	.1276	.0587 %	.0616	WEIGHT TAKEN
SPLEEN (SP)	.5174	.2381 %	.2500	WEIGHT TAKEN
THYMUS (TH)	.4819	.2218 %	.2328	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0196	.0090 %	.0095	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

BRAIN (BR) :
-VACUOLATION, -MINIMAL
LIVER (LI) :
-VACUOLATION, HEPATOCELLULAR, -MINIMAL

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APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94535 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 217.3 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 8:18 PROSECTOR: JILL PAUS RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA),
OVARY (OV)

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APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 90

ANIMAL NUMBER: C94536 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 204.4 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 10:26 PROSECTOR: JOHN S. HALFORD RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0803	.0393 %	.0441	WEIGHT TAKEN
BRAIN (BR)	1.8203	.8906 %	1.0000	WEIGHT TAKEN
KIDNEY (KD)	2.0013	.9791 %	1.0994	WEIGHT TAKEN
LIVER (LI)	6.8621	3.3572 %	3.7698	WEIGHT TAKEN
OVARY (OV)	.1446	.0707 %	.0794	WEIGHT TAKEN
SPLEEN (SP)	.6338	.3101 %	.3482	WEIGHT TAKEN
THYMUS (TH)	.5764	.2820 %	.3167	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0140	.0068 %	.0077	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

BRAIN (BR) :
-VACUOLATION, -MINIMAL

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

000869

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 91

ANIMAL NUMBER: C94536	SEX: FEMALE	DOSE GROUP: 2	SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98	STUDY DAY OF DEATH: 32	STUDY WEEK OF DEATH: 5	TERMINAL BODY WEIGHT: 204.4 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 10:26	PROSECTOR: JOHN S. HALFORD	REORDER: JODI THIEREN	
POST-FIX WEIGHER: NOT AVAILABLE	PATHOLOGIST: HAMP, BRUNER	WEIGHER: LYNN HORNER	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), OVARY (OV)

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94537 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 223.4 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 11:03 PROSECTOR: WENDY CHERRY RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0733	.0328 %	.0360	WEIGHT TAKEN
BRAIN (BR)	2.0384	.9124 %	1.0000	WEIGHT TAKEN
KIDNEY (KD)	2.2858	1.0232 %	1.1214	WEIGHT TAKEN
LIVER (LI)	8.2008	3.6709 %	4.0232	WEIGHT TAKEN
OVARY (OV)	.1269	.0568 %	.0623	WEIGHT TAKEN
SPLEEN (SP)	.4833	.2163 %	.2371	WEIGHT TAKEN
THYMUS (TH)	.5223	.2338 %	.2562	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0192	.0086 %	.0094	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

BRAIN (BR) :
-VACUOLATION, -MINIMAL
KIDNEY (KD) :
-PYELITIS, -SLIGHT
LIVER (LI) :
-VACUOLATION, HEPATOCELLULAR, -MINIMAL

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

000871

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94537 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 223.4 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 11:03 PROSECTOR: WENDY CHERRY RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), OVARY (OV)

000872

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94538 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 192.6 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 13:25 PROSECTOR: DONIA MEYER RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0606	.0315 %	.0324	WEIGHT TAKEN
BRAIN (BR)	1.8703	.9711 %	1.0000	WEIGHT TAKEN
KIDNEY (KD)	1.8873	.9799 %	1.0091	WEIGHT TAKEN
LIVER (LI)	6.9707	3.6193 %	3.7270	WEIGHT TAKEN
OVARY (OV)	.1094	.0568 %	.0585	WEIGHT TAKEN
SPLEEN (SP)	.4307	.2236 %	.2303	WEIGHT TAKEN
THYMUS (TH)	.7123	.3698 %	.3808	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0143	.0074 %	.0076	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

KIDNEY (KD) :
-LARGE PELVIS(ES); LEFT

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

BRAIN (BR) :
-VACUOLATION, -MINIMAL
KIDNEY (KD) :
-DILATATION, PELVIC, -MODERATE
LIVER (LI) :
-VACUOLATION, HEPATOCELLULAR, -MINIMAL

000873

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94538 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 192.6 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 13:25 PROSECTOR: DONIA MEYER RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), OVARY (OV)

000874

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94539 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 217.8 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 11:30 PROSECTOR: WENDY CHERRY RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.1090	.0500 %	.0542	WEIGHT TAKEN
BRAIN (BR)	2.0113	.9235 %	1.0000	WEIGHT TAKEN
KIDNEY (KD)	2.6878	1.2341 %	1.3363	WEIGHT TAKEN
LIVER (LI)	8.3813	3.8482 %	4.1671	WEIGHT TAKEN
OVARY (OV)	.1454	.0668 %	.0723	WEIGHT TAKEN
SPLEEN (SP)	.5526	.2537 %	.2747	WEIGHT TAKEN
THYMUS (TH)	.4936	.2266 %	.2454	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0066	.0030 %	.0033	EXCLUDE

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

THYROID (TY) :
>NOTE:>ONE THYROID/PARATHYROID LOST PRIOR TO WEIGHING
GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

BRAIN (BR) :
-VACUOLATION, -MINIMAL
KIDNEY (KD) :
-PYELITIS, -SLIGHT
LIVER (LI) :
-VACUOLATION, HEPATOCELLULAR, -MINIMAL
THYROID (TY) :
>NOT REQUIRED TO BE EXAMINED FOR ANIMAL

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94539 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 217.8 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 11:30 PROSECTOR: WENDY CHERRY RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), OVARY (OV)

000876

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94540 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 174.2 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 8:35 PROSECTOR: JAMES T. CALLEN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0624	.0358 %	.0322	WEIGHT TAKEN
BRAIN (BR)	1.9367	1.1118 %	1.0000	WEIGHT TAKEN
KIDNEY (KD)	1.9136	1.0985 %	.9881	WEIGHT TAKEN
LIVER (LI)	6.6088	3.7938 %	3.4124	WEIGHT TAKEN
OVARY (OV)	.1402	.0805 %	.0724	WEIGHT TAKEN
SPLEEN (SP)	.3929	.2255 %	.2029	WEIGHT TAKEN
THYMUS (TH)	.3952	.2269 %	.2041	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0217	.0125 %	.0112	WEIGHT TAKEN

NECROPSY OBSERVATIONS HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

BRAIN (BR) :
-VACUOLATION, -MINIMAL

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94540 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 174.2 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 8:35 PROSECTOR: JAMES T. CALLEN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), OVARY (OV)

000878

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 100

ANIMAL NUMBER: C94541 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 234.2 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 13:06 PROSECTOR: NANCY DIEDRICH RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0850	.0363 %	.0411	WEIGHT TAKEN
BRAIN (BR)	2.0657	.8820 %	1.0000	WEIGHT TAKEN
KIDNEY (KD)	2.5187	1.0754 %	1.2193	WEIGHT TAKEN
LIVER (LI)	8.8330	3.7716 %	4.2760	WEIGHT TAKEN
OVARY (OV)	.1394	.0595 %	.0675	WEIGHT TAKEN
SPLEEN (SP)	.6589	.2813 %	.3190	WEIGHT TAKEN
THYMUS (TH)	.6495	.2773 %	.3144	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0164	.0070 %	.0079	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

BRAIN (BR) :
-VACUOLATION, -MINIMAL
KIDNEY (KD) :
-PYELITIS, -MINIMAL

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

628000

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 101

ANIMAL NUMBER: C94541 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 234.2 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 13:06 PROSECTOR: NANCY DIEDRICH RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA),
OVARY (OV)

0000830

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94542 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 242.5 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 9:53 PROSECTOR: MICHELE ZIMA RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0880	.0363 %	.0439	WEIGHT TAKEN
BRAIN (BR)	2.0048	.8267 %	1.0000	WEIGHT TAKEN
KIDNEY (KD)	2.5368	1.0461 %	1.2654	WEIGHT TAKEN
LIVER (LI)	9.4944	3.9152 %	4.7358	WEIGHT TAKEN
OVARY (OV)	.1565	.0645 %	.0781	WEIGHT TAKEN
SPLEEN (SP)	.5490	.2264 %	.2738	WEIGHT TAKEN
THYMUS (TH)	.6078	.2506 %	.3032	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0250	.0103 %	.0125	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

BRAIN (BR) :
-VACUOLATION, -MINIMAL
LIVER (LI) :
-VACUOLATION, HEPATOCELLULAR, -MINIMAL

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

000881

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 103

ANIMAL NUMBER: C94542 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 242.5 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 9:53 PROSECTOR: MICHELE ZIMA RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA),
OVARY (OV)

000882

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94543 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 167.9 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 13:33 PROSECTOR: JILL PAUS RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0487	.0290 %	.0261	WEIGHT TAKEN
BRAIN (BR)	1.8660	1.1114 %	1.0000	WEIGHT TAKEN
KIDNEY (KD)	1.7414	1.0372 %	.9332	WEIGHT TAKEN
LIVER (LI)	6.4505	3.8419 %	3.4569	WEIGHT TAKEN
OVARY (OV)	.0986	.0587 %	.0528	WEIGHT TAKEN
SPLEEN (SP)	.3354	.1998 %	.1797	WEIGHT TAKEN
THYMUS (TH)	.5563	.3313 %	.2981	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0192	.0114 %	.0103	WEIGHT TAKEN

NECROPSY	OBSERVATIONS	HISTOPATHOLOGY
UTERUS (UT) : -LUMEN FILLED WITH FLUID; BILATERAL: CLEAR FLUID GENERAL COMMENT (GC) : -BONE MARROW SMEAR TAKEN	BRAIN (BR) : -VACUOLATION, -MINIMAL UTERUS (UT) : -DILATATION, -MODERATE	

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94543 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 167.9 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 13:33 PROSECTOR: JILL PAUS RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), OVARY (OV)

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94544 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 185.5 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 13:29 PROSECTOR: JAMES T. CALLEN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0563	.0304 %	.0276	WEIGHT TAKEN
BRAIN (BR)	2.0395	1.0995 %	1.0000	WEIGHT TAKEN
KIDNEY (KD)	2.1156	1.1405 %	1.0373	WEIGHT TAKEN
LIVER (LI)	8.2267	4.4349 %	4.0337	WEIGHT TAKEN
OVARY (OV)	.1453	.0783 %	.0712	WEIGHT TAKEN
SPLEEN (SP)	.4673	.2519 %	.2291	WEIGHT TAKEN
THYMUS (TH)	.4899	.2641 %	.2402	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0140	.0075 %	.0069	WEIGHT TAKEN

NECROPSY OBSERVATIONS HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

BRAIN (BR) :
-VACUOLATION, -MINIMAL

000895

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 107

ANIMAL NUMBER: C94544 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 185.5 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 13:29 PROSECTOR: JAMES T. CALLEN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), OVARY (OV)

000880

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 108

ANIMAL NUMBER: C94545 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 187.2 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 13:43 PROSECTOR: MICHELE ZIMA RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0585	.0313 %	.0311	WEIGHT TAKEN
BRAIN (BR)	1.8832	1.0060 %	1.0000	WEIGHT TAKEN
KIDNEY (KD)	2.0151	1.0764 %	1.0700	WEIGHT TAKEN
LIVER (LI)	7.1725	3.8315 %	3.8087	WEIGHT TAKEN
OVARY (OV)	.1228	.0656 %	.0652	WEIGHT TAKEN
SPLEEN (SP)	.4640	.2479 %	.2464	WEIGHT TAKEN
THYMUS (TH)	.4712	.2517 %	.2502	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0131	.0070 %	.0070	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

BRAIN (BR) :
-VACUOLATION, -MINIMAL
KIDNEY (KD) :
-PYELITIS, -MODERATE

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

000887

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 109

ANIMAL NUMBER: C94545 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 187.2 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 13:43 PROSECTOR: MICHELE ZIMA RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA),
OVARY (OV)

000883

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 110

ANIMAL NUMBER: C94546 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 219.7 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 13:48 PROSECTOR: DONIA MEYER RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0634	.0289 %	.0309	WEIGHT TAKEN
BRAIN (BR)	2.0493	.9328 %	1.0000	WEIGHT TAKEN
KIDNEY (KD)	2.1332	.9710 %	1.0409	WEIGHT TAKEN
LIVER (LI)	9.5768	4.3590 %	4.6732	WEIGHT TAKEN
OVARY (OV)	.1006	.0458 %	.0491	WEIGHT TAKEN
SPLEEN (SP)	.5830	.2654 %	.2845	WEIGHT TAKEN
THYMUS (TH)	.6427	.2925 %	.3136	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0293	.0133 %	.0143	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

BRAIN (BR) :
-VACUOLATION, -MINIMAL
LIVER (LI) :
-VACUOLATION, HEPATOCELLULAR, -MINIMAL

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

000889

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94546 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 219.7 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 13:48 PROSECTOR: DONIA MEYER RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA),
OVARY (OV)

000890

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94547 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 237.1 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 10:19 PROSECTOR: NANCY DIEDRICH RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0794	.0335 %	.0369	WEIGHT TAKEN
BRAIN (BR)	2.1499	.9067 %	1.0000	WEIGHT TAKEN
KIDNEY (KD)	2.2587	.9526 %	1.0506	WEIGHT TAKEN
LIVER (LI)	9.8392	4.1498 %	4.5766	WEIGHT TAKEN
OVARY (OV)	.1338	.0564 %	.0622	WEIGHT TAKEN
SPLEEN (SP)	.5588	.2357 %	.2599	WEIGHT TAKEN
THYMUS (TH)	.5987	.2525 %	.2785	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0129	.0054 %	.0060	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

BRAIN (BR) :
-VACUOLATION, -MINIMAL
KIDNEY (KD) :
-DILATATION, PELVIC, -SLIGHT

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

000891

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 113

ANIMAL NUMBER: C94547 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 237.1 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 10:19 PROSECTOR: NANCY DIEDRICH RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA),
OVARY (OV)

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 114

ANIMAL NUMBER: C94548 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 186.8 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 10:29 PROSECTOR: JAMES T. CALLEN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0536	.0287 %	.0255	WEIGHT TAKEN
BRAIN (BR)	2.0980	1.1231 %	1.0000	WEIGHT TAKEN
KIDNEY (KD)	1.9018	1.0181 %	.9065	WEIGHT TAKEN
LIVER (LI)	6.8828	3.6846 %	3.2806	WEIGHT TAKEN
OVARY (OV)	.0940	.0503 %	.0448	WEIGHT TAKEN
SPLEEN (SP)	.4053	.2170 %	.1932	WEIGHT TAKEN
THYMUS (TH)	.6280	.3362 %	.2993	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0167	.0089 %	.0080	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

KIDNEY (KD) :
-INFLAMMATION, CHRONIC, -MINIMAL

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

0000893

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 115

ANIMAL NUMBER: C94548 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 186.8 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 10:29 PROSECTOR: JAMES T. CALLEN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), OVARY (OV)

000834

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

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ANIMAL NUMBER: C94549 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 207.7 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 11:47 PROSECTOR: JOHN S. HALFORD RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0653	.0314 %	.0317	WEIGHT TAKEN
BRAIN (BR)	2.0569	.9903 %	1.0000	WEIGHT TAKEN
KIDNEY (KD)	2.1431	1.0318 %	1.0419	WEIGHT TAKEN
LIVER (LI)	8.7554	4.2154 %	4.2566	WEIGHT TAKEN
OVARY (OV)	.1636	.0788 %	.0795	WEIGHT TAKEN
SPLEEN (SP)	.5145	.2477 %	.2501	WEIGHT TAKEN
THYMUS (TH)	.4439	.2137 %	.2158	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0221	.0106 %	.0107	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

BRAIN (BR) :
-VACUOLATION, -MINIMAL
LIVER (LI) :
-NECROSIS, -MINIMAL

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

000895

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 117

ANIMAL NUMBER: C94549 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 207.7 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 11:47 PROSECTOR: JOHN S. HALFORD RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA),
OVARY (OV)

000896

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 118

ANIMAL NUMBER: C94550 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 187.0 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 10:46 PROSECTOR: DONIA MEYER RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0630	.0337 %	.0331	WEIGHT TAKEN
BRAIN (BR)	1.9038	1.0181 %	1.0000	WEIGHT TAKEN
KIDNEY (KD)	1.8946	1.0132 %	.9952	WEIGHT TAKEN
LIVER (LI)	7.7017	4.1186 %	4.0454	WEIGHT TAKEN
OVARY (OV)	.0960	.0513 %	.0504	WEIGHT TAKEN
SPLEEN (SP)	.4316	.2308 %	.2267	WEIGHT TAKEN
THYMUS (TH)	.5060	.2706 %	.2658	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0165	.0088 %	.0087	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

BRAIN (BR) :
-VACUOLATION, -MINIMAL
KIDNEY (KD) :
-PYELITIS, -SLIGHT
LIVER (LI) :
-INFLAMMATION, SUBACUTE, -MINIMAL

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

000897

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 119

ANIMAL NUMBER: C94550 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 187.0 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 10:46 PROSECTOR: DONIA MEYER RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), OVARY (OV)

000898

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 120

ANIMAL NUMBER: C94551 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 171.1 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 12:54 PROSECTOR: WENDY CHERRY RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0661	.0386 %	.0351	WEIGHT TAKEN
BRAIN (BR)	1.8855	1.1020 %	1.0000	WEIGHT TAKEN
KIDNEY (KD)	1.9419	1.1350 %	1.0299	WEIGHT TAKEN
LIVER (LI)	8.7911	5.1380 %	4.6625	WEIGHT TAKEN
OVARY (OV)	.1289	.0753 %	.0684	WEIGHT TAKEN
SPLEEN (SP)	.4517	.2640 %	.2396	WEIGHT TAKEN
THYMUS (TH)	.3160	.1847 %	.1676	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0126	.0074 %	.0067	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

UTERUS (UT) :
-LUMEN FILLED WITH FLUID; BILATERAL: CLEAR FLUID
GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

BRAIN (BR) :
-VACUOLATION, -MINIMAL
LIVER (LI) :
-HYPERTROPHY, HEPATOCELLULAR, CENTRIOBULAR, -SLIGHT
-VACUOLATION, HEPATOCELLULAR, -MINIMAL
UTERUS (UT) :
-DILATATION, -SLIGHT

000893

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 121

ANIMAL NUMBER: C94551 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 171.1 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 12:54 PROSECTOR: WENDY CHERRY RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA),
OVARY (OV)

005000

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 122

ANIMAL NUMBER: C94552 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 201.4 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 10:53 PROSECTOR: MICHELE ZIMA RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0660	.0328 %	.0321	WEIGHT TAKEN
BRAIN (BR)	2.0531	1.0194 %	1.0000	WEIGHT TAKEN
KIDNEY (KD)	2.3079	1.1459 %	1.1241	WEIGHT TAKEN
LIVER (LI)	10.2382	5.0835 %	4.9867	WEIGHT TAKEN
OVARY (OV)	.1255	.0623 %	.0611	WEIGHT TAKEN
SPLEEN (SP)	.4772	.2369 %	.2324	WEIGHT TAKEN
THYMUS (TH)	.3988	.1980 %	.1942	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0244	.0121 %	.0119	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

BRAIN (BR) :
-VACUOLATION, -MINIMAL
LIVER (LI) :
-HYPERTROPHY, HEPATOCELLULAR, CENTRIOBULAR, -SLIGHT

000901

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 123

ANIMAL NUMBER: C94552 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 201.4 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 10:53 PROSECTOR: MICHELE ZIMA RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA),
OVARY (OV)

000902

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 124

ANIMAL NUMBER: C94553 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 206.3 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 12:58 PROSECTOR: DONIA MEYER RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0679	.0329 %	.0335	WEIGHT TAKEN
BRAIN (BR)	2.0290	.9835 %	1.0000	WEIGHT TAKEN
KIDNEY (KD)	2.2091	1.0708 %	1.0888	WEIGHT TAKEN
LIVER (LI)	10.4906	5.0851 %	5.1703	WEIGHT TAKEN
OVARY (OV)	.1087	.0527 %	.0536	WEIGHT TAKEN
SPLEEN (SP)	.4567	.2214 %	.2251	WEIGHT TAKEN
THYMUS (TH)	.6089	.2952 %	.3001	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0237	.0115 %	.0117	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

LIVER (LI) :
-INFLAMMATION, SUBACUTE, -MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, CENTRIOBULAR, -MODERATE

000903

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 125

ANIMAL NUMBER: C94553 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 206.3 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 12:58 PROSECTOR: DONIA MEYER RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), OVARY (OV)

0000904

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 126

ANIMAL NUMBER: C94554 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 184.4 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 10:19 PROSECTOR: WENDY CHERRY RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0582	.0316 %	.0307	WEIGHT TAKEN
BRAIN (BR)	1.8946	1.0274 %	1.0000	WEIGHT TAKEN
KIDNEY (KD)	1.9402	1.0522 %	1.0241	WEIGHT TAKEN
LIVER (LI)	8.6778	4.7060 %	4.5803	WEIGHT TAKEN
OVARY (OV)	.0972	.0527 %	.0513	WEIGHT TAKEN
SPLEEN (SP)	.3575	.1939 %	.1887	WEIGHT TAKEN
THYMUS (TH)	.3711	.2012 %	.1959	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0149	.0081 %	.0079	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

UTERUS (UT) :
-LUMEN FILLED WITH FLUID; BILATERAL: CLEAR FLUID
GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

BRAIN (BR) :
-VACUOLATION, -MINIMAL
LIVER (LI) :
-INFLAMMATION, SUBACUTE, -MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, CENTRIOBULAR, -SLIGHT
UTERUS (UT) :
-DILATATION, -SLIGHT

000905

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 127

ANIMAL NUMBER: C94554 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 184.4 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 10:19 PROSECTOR: WENDY CHERRY RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA),
OVARY (OV)

000908

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 128

ANIMAL NUMBER: C94555 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 192.5 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 10:54 PROSECTOR: JAMES T. CALLEN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0605	.0314 %	.0292	WEIGHT TAKEN
BRAIN (BR)	2.0725	1.0766 %	1.0000	WEIGHT TAKEN
KIDNEY (KD)	2.1591	1.1216 %	1.0418	WEIGHT TAKEN
LIVER (LI)	10.0252	5.2079 %	4.8372	WEIGHT TAKEN
OVARY (OV)	.1028	.0534 %	.0496	WEIGHT TAKEN
SPLEEN (SP)	.4944	.2568 %	.2386	WEIGHT TAKEN
THYMUS (TH)	.8204	.4262 %	.3959	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0177	.0092 %	.0085	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

UTERUS (UT) :
-LUMEN FILLED WITH FLUID; BILATERAL: CLEAR FLUID
GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

BRAIN (BR) :
-VACUOLATION, -MINIMAL
LIVER (LI) :
-HYPERTROPHY, HEPATOCELLULAR, CENTRIOBULAR, -MODERATE
-VACUOLATION, HEPATOCELLULAR, -MINIMAL
UTERUS (UT) :
-DILATATION, -MINIMAL

0000907

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 129

ANIMAL NUMBER: C94555 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 192.5 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 10:54 PROSECTOR: JAMES T. CALLEN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA),
OVARY (OV)

000098

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 130

ANIMAL NUMBER: C94556 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 206.1 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 10:56 PROSECTOR: NANCY DIEDRICH RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0777	.0377 %	.0372	WEIGHT TAKEN
BRAIN (BR)	2.0897	1.0139 %	1.0000	WEIGHT TAKEN
KIDNEY (KD)	2.6036	1.2633 %	1.2459	WEIGHT TAKEN
LIVER (LI)	9.4436	4.5820 %	4.5191	WEIGHT TAKEN
OVARY (OV)	.1349	.0655 %	.0646	WEIGHT TAKEN
SPLEEN (SP)	.6082	.2951 %	.2910	WEIGHT TAKEN
THYMUS (TH)	.5221	.2533 %	.2498	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0150	.0073 %	.0072	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

BRAIN (BR) :
-VACUOLATION, -MINIMAL
KIDNEY (KD) :
-PYELITIS, -SLIGHT
LIVER (LI) :
-INFLAMMATION, SUBACUTE, -MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, CENTRIOBULAR, -SLIGHT

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

000096

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 131

ANIMAL NUMBER: C94556 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 206.1 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 10:56 PROSECTOR: NANCY DIEDRICH RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), OVARY (OV)

0000910

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 132

ANIMAL NUMBER: C94557 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 151.5 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 10:00 PROSECTOR: JOHN S. HALFORD RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0381	.0251 %	.0196	WEIGHT TAKEN
BRAIN (BR)	1.9430	1.2825 %	1.0000	WEIGHT TAKEN
KIDNEY (KD)	1.6979	1.1207 %	.8739	WEIGHT TAKEN
LIVER (LI)	12.4887	8.2434 %	6.4275	WEIGHT TAKEN
OVARY (OV)	.0758	.0500 %	.0390	WEIGHT TAKEN
SPLEEN (SP)	.3143	.2075 %	.1618	WEIGHT TAKEN
THYMUS (TH)	.3376	.2228 %	.1738	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0152	.0100 %	.0078	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

EYE (EY) :
-INFILTRATE, LYMPHOCYTIC, -MINIMAL
BRAIN (BR) :
-VACUOLATION, -MINIMAL
LIVER (LI) :
-HYPERTROPHY, HEPATOCELLULAR, CENTRIOBULAR, -MODERATELY
SEVERE
LN, MESENTERIC (MS) :
>TISSUE MISSING
>NOTE:>MESENTERIC LYMPH NODE MISSING IN RETRIM.

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

000911

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 133

ANIMAL NUMBER: C94557 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 151.5 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 10:00 PROSECTOR: JOHN S. HALFORD RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), OVARY (OV)

000912

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 134

ANIMAL NUMBER: C94558 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 154.4 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 8:37 PROSECTOR: NANCY DIEDRICH RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0453	.0293 %	.0215	WEIGHT TAKEN
BRAIN (BR)	2.1101	1.3666 %	1.0000	WEIGHT TAKEN
KIDNEY (KD)	1.7106	1.1079 %	.8107	WEIGHT TAKEN
LIVER (LI)	12.6860	8.2163 %	6.0120	WEIGHT TAKEN
OVARY (OV)	.0777	.0503 %	.0368	WEIGHT TAKEN
SPLEEN (SP)	.4358	.2823 %	.2065	WEIGHT TAKEN
THYMUS (TH)	.4256	.2756 %	.2017	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0122	.0079 %	.0058	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

BRAIN (BR) :
-VACUOLATION, -MINIMAL
LIVER (LI) :
-HYPERTROPHY, HEPATOCELLULAR, CENTRIOBULAR, -MODERATE

000913

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 135

ANIMAL NUMBER: C94558 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 154.4 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 8:37 PROSECTOR: NANCY DIEDRICH RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA),
OVARY (OV)

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 136

ANIMAL NUMBER: C94559 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 134.5 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 10:17 PROSECTOR: DONIA MEYER RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0351	.0261 %	.0195	WEIGHT TAKEN
BRAIN (BR)	1.7981	1.3369 %	1.0000	WEIGHT TAKEN
KIDNEY (KD)	1.4107	1.0488 %	.7846	WEIGHT TAKEN
LIVER (LI)	9.8766	7.3432 %	5.4928	WEIGHT TAKEN
OVARY (OV)	.0511	.0380 %	.0284	WEIGHT TAKEN
SPLEEN (SP)	.4295	.3193 %	.2389	WEIGHT TAKEN
THYMUS (TH)	.4142	.3080 %	.2304	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0118	.0088 %	.0066	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

BRAIN (BR) :
-VACUOLATION, -MINIMAL
LIVER (LI) :
-HYPERTROPHY, HEPATOCELLULAR, CENTRIOBULAR, -MODERATELY
SEVERE

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

000915

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 137

ANIMAL NUMBER: C94559 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 134.5 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 10:17 PROSECTOR: DONIA MEYER RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA),
OVARY (OV)

000916

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 138

ANIMAL NUMBER: C94560 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 172.6 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 9:39 PROSECTOR: JOHN S. HALFORD RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: STEVE VAN ADESTINE

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0389	.0225 %	.0186	WEIGHT TAKEN
BRAIN (BR)	2.0925	1.2123 %	1.0000	WEIGHT TAKEN
KIDNEY (KD)	1.6771	.9717 %	.8015	WEIGHT TAKEN
LIVER (LI)	14.9295	8.6498 %	7.1348	WEIGHT TAKEN
OVARY (OV)	.0671	.0389 %	.0321	WEIGHT TAKEN
SPLEEN (SP)	.5289	.3064 %	.2528	WEIGHT TAKEN
THYMUS (TH)	.6468	.3747 %	.3091	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0095	.0055 %	.0045	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

BRAIN (BR) :
-VACUOLATION, -MINIMAL
LIVER (LI) :
-HYPERTROPHY, HEPATOCELLULAR, CENTRIOBULAR, -MODERATELY
SEVERE

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

000917

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 139

ANIMAL NUMBER: C94560 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 172.6 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 9:39 PROSECTOR: JOHN S. HALFORD RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: STEVE VAN ADESTINE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA),
OVARY (OV)

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 140

ANIMAL NUMBER: C94561 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 161.3 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 13:36 PROSECTOR: TERRI L. WILLIAMS RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0618	.0383 %	.0314	WEIGHT TAKEN
BRAIN (BR)	1.9670	1.2195 %	1.0000	WEIGHT TAKEN
KIDNEY (KD)	1.9650	1.2182 %	.9990	WEIGHT TAKEN
LIVER (LI)	13.3315	8.2650 %	6.7776	WEIGHT TAKEN
OVARY (OV)	.0797	.0494 %	.0405	WEIGHT TAKEN
SPLEEN (SP)	.4122	.2555 %	.2096	WEIGHT TAKEN
THYMUS (TH)	.4100	.2542 %	.2084	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0182	.0113 %	.0093	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

SKIN (SK) :
-ALOPECIA-FOCAL; RIGHT AND LEFT HIP REGIONS: SINGLE AREA ON
EACH; LEFT IS 45 X 29 MM, RIGHT IS 42 X 30 MM (CAPS 21 AND
22)
GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN
-ANIMAL THIN

BRAIN (BR) :
-VACUOLATION, -MINIMAL
LIVER (LI) :
-HYPERTROPHY, HEPATOCELLULAR, CENTRIOBULAR, -MODERATELY
SEVERE
SKIN (SK) :
-INVOLUTION, FOLLICULAR, -SLIGHT

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 141

ANIMAL NUMBER: C94561 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 161.3 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 13:36 PROSECTOR: TERRI L. WILLIAMS RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), MAMMARY, FEMALE (MF),
URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA),
OVARY (OV)

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 142

ANIMAL NUMBER: C94562 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 165.1 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 10:52 PROSECTOR: JOHN S. HALFORD RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	ORGAN STATUS
ADRENAL (AD)	.0589	.0357 %	.0289	WEIGHT TAKEN
BRAIN (BR)	2.0415	1.2365 %	1.0000	WEIGHT TAKEN
KIDNEY (KD)	1.8903	1.1449 %	.9259	WEIGHT TAKEN
LIVER (LI)	10.9656	6.6418 %	5.3713	WEIGHT TAKEN
OVARY (OV)	.1065	.0645 %	.0522	WEIGHT TAKEN
SPLEEN (SP)	.4382	.2654 %	.2146	WEIGHT TAKEN
THYMUS (TH)	.5178	.3136 %	.2536	WEIGHT TAKEN
THYROID/PARATHYR (TT)	.0154	.0093 %	.0075	WEIGHT TAKEN

NECROPSY

OBSERVATIONS

HISTOPATHOLOGY

BRAIN (BR) :
-VACUOLATION, -MINIMAL
KIDNEY (KD) :
-PYELITIS, -MINIMAL
LIVER (LI) :
-HYPERTROPHY, HEPATOCELLULAR, CENTRIOBULAR, -MODERATELY
SEVERE

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

000921

APPENDIX 6

Individual Animal Pathology Data

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MEFOSE, T-6314) IN RATS

PAGE: 143

ANIMAL NUMBER: C94562 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 07/13/98 STUDY DAY OF DEATH: 32 STUDY WEEK OF DEATH: 5 TERMINAL BODY WEIGHT: 165.1 GRAMS
DATE AND TIME OF NECROPSY: 07/13/98 10:52 PROSECTOR: JOHN S. HALFORD RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: HAMP, BRUNER WEIGHER: LYNN HORNER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:

EYE (EY), BRAIN (BR), KIDNEY (KD), LIVER (LI), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), STOMACH, GL (ST),
STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), LN, POPLITEAL (PP), CECUM (CE), COLON (CO),
RECTUM (RE), THYROID (TY), PARATHYROID (PT), AORTA (AO), PITUITARY (PI), THYMUS (TH), SPINAL CORD (SC),
HARDERIAN GLAND (HG), AUDITORY SEB GL (AS), SALIV GL, MANDIB (SG), LN, MANDIBULAR (MN), SKIN (SK),
MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), UTERUS (UT), VAGINA (VA)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:

EYE (EY), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), OVARY (OV)

0000922

APPENDIX 7

Cell Proliferation Report

Note: This appendix of the report contains information supplied by Pathology Associates International and has been reviewed by the Quality Assurance Unit of Pathology Associates International.

Cell Proliferation Report



Pathology Associates International
A Company of Science Applications International Corporation



**FINAL
CELL PROLIFERATION REPORT**

**4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL
PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MeFOSE, T-6314) IN RATS
COVANCE STUDY NUMBER 6329-224**

PREPARED FOR:

**3M
TOXICOLOGY SERVICES
BUILDING 220-2E-02, 3M CENTER
ST. PAUL, MN 55144-1000**

PREPARED BY:

**PATHOLOGY ASSOCIATES INTERNATIONAL
15 WORMAN'S MILL COURT, SUITE I
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MAY 12, 2000

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- II. TABLES**
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- IV. QUALITY ASSURANCE STATEMENT**
- V. APPENDIX I**

CELL PROLIFERATION REPORT

4-WEEK RANGE-FINDING DIETARY TOXICITY STUDY WITH N-METHYL PERFLUOROOCTANESULFONAMIDO ETHANOL (N-MeFOSE, T-6314) IN RATS COVANCE STUDY NUMBER 6329-224

PURPOSE

The purpose of the study was to assess the toxicity of the test material when administered in the diet to rats for at least 4 weeks.

This report, submitted by Pathology Associates International (PAI) to the study Sponsor, 3M, represents the cell proliferation findings and interpretation for Covance Study Number 6329-224 entitled "4-Week Range Finding Dietary Toxicity Study with N-Methyl Perfluorooctanesulfonamido Ethanol (N-MeFOSE, T-6314) In Rats". All aspects of the tasks associated with PAI's portion of this study were conducted in compliance with the Food and Drug Administration Good Laboratory Practice (GLP) Regulations as set forth in Title 21 of the US Code of Federal Regulations, Part 58, issued December 22, 1978 (effective June 20, 1979), and with any applicable amendments.

MATERIALS AND METHODS

Tissue Collection for Cell Proliferation

Six animals per sex per group in groups 1 through 6 were sacrificed during week 4 for hepatocellular proliferation. A section of the left lateral lobe of the liver from each of 6 rats per sex per group (groups 1-6) was fixed and processed to paraffin block by Covance per protocol specifications. Tissue blocks were shipped to PAI for sectioning and staining. From each block, a slide was prepared for H&E evaluation and immunohistochemical detection of proliferating cell nuclear antigen (PCNA), a marker of cell proliferation.

Immunohistochemistry for Cell Proliferation

Sections of paraffin-embedded tissues were cut at 5 μ m and placed on positively charged slides (Superfrost Plus, Fisher Scientific, Pittsburgh, PA) to ensure adhesion during processing for PCNA. Standard immunohistochemical methods were used to stain tissues for PCNA (PAI's SOP for immunohistochemistry). Briefly, tissue sections were incubated with a monoclonal antibody to PCNA (DAKO, lot #016, PAI No. A1723) and reagents required for the avidin-biotin peroxidase (ABC Elite Kit, lot #PK-6100, PAI No. K 324) method for the detection of the antigen-antibody complex. PCNA expression in cells in all phases of the cell cycle (G₁, S, G₂ and M) was localized by the chromagen 3,3'-diaminobenzidine (DAB; Sigma Chemical Co., lot #18H8201). Tissue sections were counterstained with hematoxylin. A negative control slide was included in the staining run and consisted of study tissue that was not incubated with the primary antibody.

Cell Proliferation Measurements

For cell proliferation evaluations, slides were first perused at low magnification (100X) to judge quality of staining, processing and sectioning, pattern of cell labeling (e.g., centrilobular or portalobular, extrahepato cellular proliferation, such as Kupffer cells, bile duct epithelium, endothelium), and histomorphologic changes. Cell proliferation was then quantified at higher magnification (200X). The percentage of hepatocytes in S phase of the cell cycle (labeling index, LI) was determined by scoring at least 3000 hepatocytes in 10 randomly selected fields per animal. Histomorphology was further assessed by evaluating the serial H&E slide for each animal evaluated for cell proliferation.

Statistical Analysis

The Student's *t*-test (two-sided, unequal variance) was used to test for statistical significance in PI between control and treatment groups using Microsoft Excel version 5.0. A *P* value of 0.05 was judged to be statistically significant.

RESULTS

Cell Proliferation

Individual animal and group mean cell proliferation data are presented in Section II (Tables 1 and 2). The percentage of proliferating hepatocytes as determined by the labeling index (LI) did not differ significantly between control and treated groups of male or female rats.

In group 6 males, there was no PCNA slide present for animal C94523; therefore, five out of six animals were reported for this group.

Histopathology

Sections from the same tissue blocks used for preparation of PCNA-stained slides were stained with hematoxylin and eosin (H&E) for histopathologic evaluation to facilitate the interpretation of the immunostained slides. Individual animal findings and group summaries are presented in Appendix I.

The results showed no changes in the liver tissue of male and female rats that would alter the interpretation of the PCNA staining in this study. The livers from one mid-high dose and two high dose male rats, and two high dose female rats each contained focal necrosis without a concomitant inflammatory response. This necrosis was not accompanied by a secondary regenerative effect as determined by an increased PCNA LI.

SUMMARY

In the present study, cell proliferation was measured within the liver of male and female rats from control (0 ppm), low dose (1 ppm), low-mid dose (10 ppm), mid dose (30 ppm), mid-high dose (100 ppm), and high dose (500 ppm) groups after 4 weeks on study. No statistically significant increases in cell proliferation, as determined by the PCNA labeling index (LI) were observed in male or female rats after 4 weeks of N-methyl perfluorooctanesulfonamido ethanol.

II. TABLES

Legend

SEM = Standard Error of the Mean

Covance Study No. 6239-224

Table II-1. Cell Proliferation in Liver of Male Rats After 4 Weeks of N-MeFOSE

Group	Sex	Animal Number	PCNA Labeling Index
1 - 0 ppm (Control)	M	C94491	0.188%
	M	C94492	0.136%
	M	C94493	NP
	M	C94494	0.186%
	M	C94495	0.407%
	M	C94496	0.156%
		Mean	0.250%
		SEM	0.048%
2 - 1 ppm (Low)	M	C94497	0.427%
	M	C94498	0.082%
	M	C94499	0.726%
	M	C94500	0.170%
	M	C94501	0.057%
	M	C94502	0.516%
		Mean	0.336%
		SEM	0.110%
3 - 10 ppm (Low-Mid)	M	C94503	0.377%
	M	C94504	0.326%
	M	C94505	0.679%
	M	C94506	0.168%
	M	C94507	0.084%
	M	C94508	0.167%
		Mean	0.300%
		SEM	0.088%
4 - 30 ppm (Mid)	M	C94509	0.027%
	M	C94510	0.054%
	M	C94511	0.225%
	M	C94512	0.329%
	M	C94513	0.378%
	M	C94514	0.281%
		Mean	0.216%
		SEM	0.059%
5 - 100 ppm (Mid-High)	M	C94515	0.380%
	M	C94516	0.337%
	M	C94517	0.253%
	M	C94518	0.295%
	M	C94519	0.384%
	M	C94520	0.055%
		Mean	0.284%
		SEM	0.050%
6 - 500 ppm (High)	M	C94521	0.196%
	M	C94522	0.054%
	M	C94523	NP
	M	C94524	0.112%
	M	C94525	0.085%
	M	C94526	0.191%
		Mean	0.127%
		SEM	0.028%
NP: tissue not present on slide for #C94493			
NP: slide not present for #C94523			

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Table II-2. Cell Proliferation in Liver of Female Rats After 4 Weeks of N-MeFOSE

Group	Sex	Animal Number	PCNA Labeling Index
1 - 0 ppm (Control)	F	C94527	ND
	F	C94528	0.082%
	F	C94529	0.138%
	F	C94530	0.585%
	F	C94531	0.084%
	F	C94532	0.138%
		Mean	0.201%
		SEM	0.092%
2 - 1 ppm (Low)	F	C94533	0.135%
	F	C94534	0.136%
	F	C94535	0.111%
	F	C94536	0.401%
	F	C94537	0.347%
	F	C94538	0.272%
		Mean	0.234%
		SEM	0.061%
3 - 10 ppm (Low-Mid)	F	C94539	0.180%
	F	C94540	0.054%
	F	C94541	0.080%
	F	C94542	0.110%
	F	C94543	0.168%
	F	C94544	0.168%
		Mean	0.123%
		SEM	0.020%
4 - 30 ppm (Mid)	F	C94545	0.137%
	F	C94546	0.110%
	F	C94547	0.192%
	F	C94548	0.112%
	F	C94549	0.161%
	F	C94550	0.080%
		Mean	0.132%
		SEM	0.016%
5 - 100 ppm (Mid-High)	F	C94551	0.356%
	F	C94552	0.080%
	F	C94553	0.082%
	F	C94554	0.081%
	F	C94555	0.083%
	F	C94556	0.055%
		Mean	0.123%
		SEM	0.047%
6 - 500 ppm (High)	F	C94557	0.193%
	F	C94558	0.027%
	F	C94559	0.081%
	F	C94560	0.193%
	F	C94561	0.161%
	F	C94562	0.142%
		Mean	0.133%
		SEM	0.027%
ND; not determined due to insufficient tissue on slide			

III. SIGNATURE PAGE

Submitted by:

Project Manager:


Sandra R. Eldridge, Ph.D.

5-15-00
Date

Project Pathologist:


Carolyn Moyer, D.V.M., Diplomate, A.C.V.P.

5/15/00
Date

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IV. QUALITY ASSURANCE STATEMENT



Pathology Associates International
A Company of Science Applications International Corporation



Cell Proliferation Report

4-Week Range-Finding Dietary Toxicity Study with N-Methyl Perfluorooctanesulfonamido Ethanol (N-MeFOSE, T-6314) in Rats

Covance Study Number: 6329-224

QUALITY ASSURANCE STATEMENT

This cell proliferation project has been inspected and audited by the PAI Quality Assurance Unit (QAU) as required by the Good Laboratory Practice (GLP) regulations promulgated by the U.S. Food and Drug Administration (FDA). The cell proliferation report is an accurate reflection of the recorded data. The following table is a record of the inspections/audits performed and reported by the QAU.

<u>Date of Inspection</u>	<u>Phase Inspected</u>	<u>Date Findings Reported to PAI Management/Project Manager</u>
08/12/98	Microtomy	08/13/98
03/31;04/04/00	Study Data and Supporting Documentation	04/04/00
03/31;04/04/00	Draft Cell Proliferation Report	04/04/00
05/12/00	Final Cell Proliferation Report	05/12/00


Karen E. Butler
Quality Assurance Officer


Date

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APPENDIX I

Final Draft Cell Proliferation Report
Covance Study No. 6329-224

Individual Animal Histomorphologic Findings in Liver:
4-Week Range-Finding Dietary Toxicity Study with N-Methyl
Perfluorooctanesulfonamide Ethanol (N-MeFOSE, T-6314) in Rats

Animal Number	Sex	Dose Group	Histologic Findings
C94491	M	1-0 ppm (Control)	No Significant Findings
C94492	M	1-0 ppm (Control)	No Significant Findings
C94493	M	1-0 ppm (Control)	No Significant Findings
C94494	M	1-0 ppm (Control)	No Significant Findings
C94495	M	1-0 ppm (Control)	No Significant Findings
C94496	M	1-0 ppm (Control)	No Significant Findings
C94497	M	2-1 ppm (Low)	No Significant Findings
C94498	M	2-1 ppm (Low)	No Significant Findings
C94499	M	2-1 ppm (Low)	No Significant Findings
C94500	M	2-1 ppm (Low)	No Significant Findings
C94501	M	2-1 ppm (Low)	No Significant Findings
C94502	M	2-1 ppm (Low)	No Significant Findings
C94503	M	3-10 ppm (Low-mid)	No Significant Findings
C94504	M	3-10 ppm (Low-mid)	No Significant Findings
C94505	M	3-10 ppm (Low-mid)	No Significant Findings
C94506	M	3-10 ppm (Low-mid)	No Significant Findings
C94507	M	3-10 ppm (Low-mid)	No Significant Findings
C94508	M	3-10 ppm (Low-mid)	No Significant Findings
C94509	M	4-30 ppm (Mid)	No Significant Findings
C94510	M	4-30 ppm (Mid)	No Significant Findings
C94511	M	4-30 ppm (Mid)	No Significant Findings
C94512	M	4-30 ppm (Mid)	No Significant Findings
C94513	M	4-30 ppm (Mid)	No Significant Findings
C94514	M	4-30 ppm (Mid)	No Significant Findings
C94515	M	5-100 ppm (Mid-high)	No Significant Findings
C94516	M	5-100 ppm (Mid-high)	No Significant Findings
C94517	M	5-100 ppm (Mid-high)	No Significant Findings
C94518	M	5-100 ppm (Mid-high)	Focal Necrosis
C94519	M	5-100 ppm (Mid-high)	No Significant Findings
C94520	M	5-100 ppm (Mid-high)	No Significant Findings
C94521	M	6-500 ppm (High)	No Significant Findings
C94522	M	6-500 ppm (High)	No Significant Findings
C94523	M	6-500 ppm (High)	Focal Necrosis
C94524	M	6-500 ppm (High)	Focal Necrosis
C94525	M	6-500 ppm (High)	No Significant Findings
C94526	M	6-500 ppm (High)	No Significant Findings

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Individual Animal Histomorphologic Findings in Liver:
4-Week Range-Finding Dietary Toxicity Study with N-Methyl
Perfluorooctanesulfonamide Ethanol (N-MeFOSE, T-6314) in Rats

Animal Number	Sex	Dose Group	Histologic Findings
C94527	F	1-0 ppm (Control)	No Significant Findings
C94528	F	1-0 ppm (Control)	No Significant Findings
C94529	F	1-0 ppm (Control)	No Significant Findings
C94530	F	1-0 ppm (Control)	No Significant Findings
C94531	F	1-0 ppm (Control)	No Significant Findings
C94532	F	1-0 ppm (Control)	No Significant Findings
C94533	F	2-1 ppm (Low)	No Significant Findings
C94534	F	2-1 ppm (Low)	No Significant Findings
C94535	F	2-1 ppm (Low)	No Significant Findings
C94536	F	2-1 ppm (Low)	No Significant Findings
C94537	F	2-1 ppm (Low)	No Significant Findings
C94538	F	2-1 ppm (Low)	No Significant Findings
C94539	F	3-10 ppm (Low-mid)	No Significant Findings
C94540	F	3-10 ppm (Low-mid)	No Significant Findings
C94541	F	3-10 ppm (Low-mid)	No Significant Findings
C94542	F	3-10 ppm (Low-mid)	No Significant Findings
C94543	F	3-10 ppm (Low-mid)	No Significant Findings
C94544	F	3-10 ppm (Low-mid)	No Significant Findings
C94545	F	4-30 ppm (Mid)	No Significant Findings
C94546	F	4-30 ppm (Mid)	No Significant Findings
C94547	F	4-30 ppm (Mid)	No Significant Findings
C94548	F	4-30 ppm (Mid)	No Significant Findings
C94549	F	4-30 ppm (Mid)	No Significant Findings
C94550	F	4-30 ppm (Mid)	No Significant Findings
C94551	F	5-100 ppm (Mid-high)	No Significant Findings
C94552	F	5-100 ppm (Mid-high)	No Significant Findings
C94553	F	5-100 ppm (Mid-high)	No Significant Findings
C94554	F	5-100 ppm (Mid-high)	No Significant Findings
C94555	F	5-100 ppm (Mid-high)	No Significant Findings
C94556	F	5-100 ppm (Mid-high)	No Significant Findings
C94557	F	6-500 ppm (High)	No Significant Findings
C94558	F	6-500 ppm (High)	No Significant Findings
C94559	F	6-500 ppm (High)	Focal Necrosis
C94560	F	6-500 ppm (High)	Focal Necrosis
C94561	F	6-500 ppm (High)	No Significant Findings
C94562	F	6-500 ppm (High)	No Significant Findings